

ATTACHMENT C  
Laboratory Analytical Reports

July 31, 2018

Taylor Smith  
Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960

Project Location: Conway Park., Somerville, MA  
Client Job Number:  
Project Number: [none]  
Laboratory Work Order Number: 18G0959

Enclosed are results of analyses for samples received by the laboratory on July 24, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Meghan E. Kelley". The signature is written in a cursive style with a large, sweeping flourish at the end.

Meghan E. Kelley  
Project Manager

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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 7/31/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G0959

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-R-11 (0-0.5)	18G0959-01	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-R-11 (0.5-1.5)	18G0959-02	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-R-11 (1.5-2.5)	18G0959-03	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-R-11 (2.5-3.5)	18G0959-04	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-Q-11 (0-0.5)	18G0959-05	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-Q-11 (0.5-1.5)	18G0959-06	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-Q-11 (1.5-2.5)	18G0959-07	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-Q-11 (2.5-3.5)	18G0959-08	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-P-8 (0.5-1.5)	18G0959-09	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-P-8 (1.5-2.5)	18G0959-10	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-P-8 (2.5-3.5)	18G0959-11	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-O-3 (0-0.5)	18G0959-12	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-O-3 (0.5-1.5)	18G0959-13	Soil		SM 2540G SW-846 6010D SW-846 8082A	

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REPORT DATE: 7/31/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G0959

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-O-3 (1.5-2.5)	18G0959-14	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-O-3 (2.5-3.5)	18G0959-15	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-Q-10 (0-0.5)	18G0959-16	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-Q-10 (0.5-1.5)	18G0959-17	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-Q-10 (1.5-2.5)	18G0959-18	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-Q-10 (2.5-3.5)	18G0959-19	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-Q-9 (0-0.5)	18G0959-20	Soil		SM 2540G SW-846 6010D SW-846 8082A	

**CASE NARRATIVE SUMMARY**

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 6010, only lead was requested and reported.

**SW-846 8082A****Qualifications:****O-32**

A dilution was performed as part of the standard analytical procedure.

**Analyte & Samples(s) Qualified:**

18G0959-02[B-R-11 (0.5-1.5)], 18G0959-03[B-R-11 (1.5-2.5)], 18G0959-04[B-R-11 (2.5-3.5)], 18G0959-05[B-Q-11 (0-0.5)], 18G0959-08[B-Q-11 (2.5-3.5)], 18G0959-12[B-O-3 (0-0.5)], 18G0959-14[B-O-3 (1.5-2.5)], 18G0959-15[B-O-3 (2.5-3.5)], 18G0959-17[B-Q-10 (0.5-1.5)], 18G0959-20[B-Q-9 (0-0.5)]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington  
Project Manager

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-R-11 (0-0.5)

Sampled: 7/23/2018 08:30

Sample ID: 18G0959-01

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 15:42	JMB
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 15:42	JMB
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 15:42	JMB
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 15:42	JMB
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 15:42	JMB
Aroclor-1254 [2]	0.23	0.088	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 15:42	JMB
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 15:42	JMB
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 15:42	JMB
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 15:42	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.7	30-150					7/27/18 15:42	
Decachlorobiphenyl [2]		86.9	30-150					7/27/18 15:42	
Tetrachloro-m-xylene [1]		83.0	30-150					7/27/18 15:42	
Tetrachloro-m-xylene [2]		84.2	30-150					7/27/18 15:42	

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-R-11 (0-0.5)

Sampled: 7/23/2018 08:30

Sample ID: 18G0959-01

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	65	0.54	mg/Kg dry	1		SW-846 6010D	7/27/18	7/31/18 10:03	QNW

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-R-11 (0-0.5)

Sampled: 7/23/2018 08:30

Sample ID: 18G0959-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.3		% Wt	1		SM 2540G	7/26/18	7/27/18 17:51	JFC

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-R-11 (0.5-1.5)

Sampled: 7/23/2018 08:31

Sample ID: 18G0959-02

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 16:00	JMB
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 16:00	JMB
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 16:00	JMB
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 16:00	JMB
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 16:00	JMB
Aroclor-1254 [2]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 16:00	JMB
Aroclor-1260 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 16:00	JMB
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 16:00	JMB
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 16:00	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		85.3	30-150					7/27/18 16:00	
Decachlorobiphenyl [2]		85.4	30-150					7/27/18 16:00	
Tetrachloro-m-xylene [1]		80.1	30-150					7/27/18 16:00	
Tetrachloro-m-xylene [2]		80.7	30-150					7/27/18 16:00	

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-R-11 (0.5-1.5)

Sampled: 7/23/2018 08:31

Sample ID: 18G0959-02

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	22	0.50	mg/Kg dry	1		SW-846 6010D	7/27/18	7/31/18 10:08	QNW



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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-R-11 (0.5-1.5)

Sampled: 7/23/2018 08:31

Sample ID: 18G0959-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.4		% Wt	1		SM 2540G	7/26/18	7/27/18 17:51	JFC

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-R-11 (1.5-2.5)

Sampled: 7/23/2018 08:32

Sample ID: 18G0959-03

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 16:17	JMB
Aroclor-1221 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 16:17	JMB
Aroclor-1232 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 16:17	JMB
Aroclor-1242 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 16:17	JMB
Aroclor-1248 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 16:17	JMB
Aroclor-1254 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 16:17	JMB
Aroclor-1260 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 16:17	JMB
Aroclor-1262 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 16:17	JMB
Aroclor-1268 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 16:17	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.2	30-150					7/27/18 16:17	
Decachlorobiphenyl [2]		87.0	30-150					7/27/18 16:17	
Tetrachloro-m-xylene [1]		81.8	30-150					7/27/18 16:17	
Tetrachloro-m-xylene [2]		82.9	30-150					7/27/18 16:17	

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-R-11 (1.5-2.5)

Sampled: 7/23/2018 08:32

Sample ID: 18G0959-03

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	150	0.52	mg/Kg dry	1		SW-846 6010D	7/27/18	7/31/18 10:34	QNW

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-R-11 (1.5-2.5)

Sampled: 7/23/2018 08:32

Sample ID: 18G0959-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.2		% Wt	1		SM 2540G	7/26/18	7/27/18 17:52	JFC

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-R-11 (2.5-3.5)

Sampled: 7/23/2018 08:33

Sample ID: 18G0959-04

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 16:35	JMB
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 16:35	JMB
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 16:35	JMB
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 16:35	JMB
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 16:35	JMB
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 16:35	JMB
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 16:35	JMB
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 16:35	JMB
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 16:35	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		81.3	30-150					7/27/18 16:35	
Decachlorobiphenyl [2]		83.2	30-150					7/27/18 16:35	
Tetrachloro-m-xylene [1]		74.4	30-150					7/27/18 16:35	
Tetrachloro-m-xylene [2]		75.2	30-150					7/27/18 16:35	

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-R-11 (2.5-3.5)

Sampled: 7/23/2018 08:33

Sample ID: 18G0959-04

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	180	0.54	mg/Kg dry	1		SW-846 6010D	7/27/18	7/31/18 10:39	QNW

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-R-11 (2.5-3.5)

Sampled: 7/23/2018 08:33

Sample ID: 18G0959-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.6		% Wt	1		SM 2540G	7/26/18	7/27/18 17:52	JFC

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-Q-11 (0-0.5)

Sampled: 7/23/2018 08:45

Sample ID: 18G0959-05

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 16:53	JMB
Aroclor-1221 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 16:53	JMB
Aroclor-1232 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 16:53	JMB
Aroclor-1242 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 16:53	JMB
Aroclor-1248 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 16:53	JMB
Aroclor-1254 [2]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 16:53	JMB
Aroclor-1260 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 16:53	JMB
Aroclor-1262 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 16:53	JMB
Aroclor-1268 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 16:53	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		80.7	30-150					7/27/18 16:53	
Decachlorobiphenyl [2]		86.1	30-150					7/27/18 16:53	
Tetrachloro-m-xylene [1]		83.7	30-150					7/27/18 16:53	
Tetrachloro-m-xylene [2]		85.2	30-150					7/27/18 16:53	



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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-Q-11 (0-0.5)

Sampled: 7/23/2018 08:45

Sample ID: 18G0959-05

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	87	0.54	mg/Kg dry	1		SW-846 6010D	7/27/18	7/31/18 10:44	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-Q-11 (0-0.5)

Sampled: 7/23/2018 08:45

Sample ID: 18G0959-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.0		% Wt	1		SM 2540G	7/26/18	7/27/18 17:52	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-Q-11 (0.5-1.5)

Sampled: 7/23/2018 08:46

Sample ID: 18G0959-06

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 9:55	JMB
Aroclor-1221 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 9:55	JMB
Aroclor-1232 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 9:55	JMB
Aroclor-1242 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 9:55	JMB
Aroclor-1248 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 9:55	JMB
Aroclor-1254 [1]	1.8	0.41	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 9:55	JMB
Aroclor-1260 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 9:55	JMB
Aroclor-1262 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 9:55	JMB
Aroclor-1268 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 9:55	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		106	30-150					7/28/18 9:55	
Decachlorobiphenyl [2]		105	30-150					7/28/18 9:55	
Tetrachloro-m-xylene [1]		92.1	30-150					7/28/18 9:55	
Tetrachloro-m-xylene [2]		90.8	30-150					7/28/18 9:55	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-Q-11 (0.5-1.5)

Sampled: 7/23/2018 08:46

Sample ID: 18G0959-06

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	160	0.52	mg/Kg dry	1		SW-846 6010D	7/27/18	7/31/18 10:49	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-Q-11 (0.5-1.5)

Sampled: 7/23/2018 08:46

Sample ID: 18G0959-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.9		% Wt	1		SM 2540G	7/26/18	7/27/18 17:53	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-Q-11 (1.5-2.5)

Sampled: 7/23/2018 08:47

Sample ID: 18G0959-07

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 17:28	JMB
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 17:28	JMB
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 17:28	JMB
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 17:28	JMB
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 17:28	JMB
Aroclor-1254 [2]	0.15	0.082	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 17:28	JMB
Aroclor-1260 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 17:28	JMB
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 17:28	JMB
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 17:28	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		91.1	30-150					7/27/18 17:28	
Decachlorobiphenyl [2]		95.3	30-150					7/27/18 17:28	
Tetrachloro-m-xylene [1]		81.1	30-150					7/27/18 17:28	
Tetrachloro-m-xylene [2]		84.8	30-150					7/27/18 17:28	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-Q-11 (1.5-2.5)

Sampled: 7/23/2018 08:47

Sample ID: 18G0959-07

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	38	0.51	mg/Kg dry	1		SW-846 6010D	7/27/18	7/31/18 10:54	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-Q-11 (1.5-2.5)

Sampled: 7/23/2018 08:47

Sample ID: 18G0959-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	98.1		% Wt	1		SM 2540G	7/26/18	7/27/18 17:53	JFC



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-Q-11 (2.5-3.5)

Sampled: 7/23/2018 08:48

Sample ID: 18G0959-08

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 17:46	JMB
Aroclor-1221 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 17:46	JMB
Aroclor-1232 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 17:46	JMB
Aroclor-1242 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 17:46	JMB
Aroclor-1248 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 17:46	JMB
Aroclor-1254 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 17:46	JMB
Aroclor-1260 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 17:46	JMB
Aroclor-1262 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 17:46	JMB
Aroclor-1268 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 17:46	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		87.5	30-150					7/27/18 17:46	
Decachlorobiphenyl [2]		92.6	30-150					7/27/18 17:46	
Tetrachloro-m-xylene [1]		79.2	30-150					7/27/18 17:46	
Tetrachloro-m-xylene [2]		81.8	30-150					7/27/18 17:46	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-Q-11 (2.5-3.5)

Sampled: 7/23/2018 08:48

Sample ID: 18G0959-08

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	85	0.50	mg/Kg dry	1		SW-846 6010D	7/27/18	7/31/18 10:59	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-Q-11 (2.5-3.5)

Sampled: 7/23/2018 08:48

Sample ID: 18G0959-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	98.0		% Wt	1		SM 2540G	7/26/18	7/27/18 17:53	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-P-8 (0.5-1.5)

Sampled: 7/23/2018 11:54

Sample ID: 18G0959-09

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 18:04	JMB
Aroclor-1221 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 18:04	JMB
Aroclor-1232 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 18:04	JMB
Aroclor-1242 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 18:04	JMB
Aroclor-1248 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 18:04	JMB
Aroclor-1254 [2]	0.80	0.079	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 18:04	JMB
Aroclor-1260 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 18:04	JMB
Aroclor-1262 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 18:04	JMB
Aroclor-1268 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 18:04	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		87.4	30-150					7/27/18 18:04	
Decachlorobiphenyl [2]		96.3	30-150					7/27/18 18:04	
Tetrachloro-m-xylene [1]		82.4	30-150					7/27/18 18:04	
Tetrachloro-m-xylene [2]		86.4	30-150					7/27/18 18:04	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-P-8 (0.5-1.5)

Sampled: 7/23/2018 11:54

Sample ID: 18G0959-09

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	130	0.53	mg/Kg dry	1		SW-846 6010D	7/27/18	7/31/18 11:04	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-P-8 (0.5-1.5)

Sampled: 7/23/2018 11:54

Sample ID: 18G0959-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.7		% Wt	1		SM 2540G	7/26/18	7/27/18 17:54	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-P-8 (1.5-2.5)

Sampled: 7/23/2018 11:55

Sample ID: 18G0959-10

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 18:22	JMB
Aroclor-1221 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 18:22	JMB
Aroclor-1232 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 18:22	JMB
Aroclor-1242 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 18:22	JMB
Aroclor-1248 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 18:22	JMB
Aroclor-1254 [2]	0.91	0.083	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 18:22	JMB
Aroclor-1260 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 18:22	JMB
Aroclor-1262 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 18:22	JMB
Aroclor-1268 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 18:22	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		83.2	30-150					7/27/18 18:22	
Decachlorobiphenyl [2]		88.7	30-150					7/27/18 18:22	
Tetrachloro-m-xylene [1]		74.3	30-150					7/27/18 18:22	
Tetrachloro-m-xylene [2]		76.9	30-150					7/27/18 18:22	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-P-8 (1.5-2.5)

Sampled: 7/23/2018 11:55

Sample ID: 18G0959-10

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	74	0.52	mg/Kg dry	1		SW-846 6010D	7/27/18	7/31/18 11:09	QNW



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-P-8 (1.5-2.5)

Sampled: 7/23/2018 11:55

Sample ID: 18G0959-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.3		% Wt	1		SM 2540G	7/26/18	7/27/18 17:54	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-P-8 (2.5-3.5)

Sampled: 7/23/2018 11:56

Sample ID: 18G0959-11

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 10:13	JMB
Aroclor-1221 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 10:13	JMB
Aroclor-1232 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 10:13	JMB
Aroclor-1242 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 10:13	JMB
Aroclor-1248 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 10:13	JMB
Aroclor-1254 [2]	3.3	0.41	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 10:13	JMB
Aroclor-1260 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 10:13	JMB
Aroclor-1262 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 10:13	JMB
Aroclor-1268 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 10:13	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		104	30-150					7/28/18 10:13	
Decachlorobiphenyl [2]		102	30-150					7/28/18 10:13	
Tetrachloro-m-xylene [1]		92.4	30-150					7/28/18 10:13	
Tetrachloro-m-xylene [2]		91.2	30-150					7/28/18 10:13	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-P-8 (2.5-3.5)

Sampled: 7/23/2018 11:56

Sample ID: 18G0959-11

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	73	0.52	mg/Kg dry	1		SW-846 6010D	7/27/18	7/31/18 11:17	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-P-8 (2.5-3.5)

Sampled: 7/23/2018 11:56

Sample ID: 18G0959-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.7		% Wt	1		SM 2540G	7/26/18	7/27/18 17:55	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-O-3 (0-0.5)

Sampled: 7/23/2018 12:10

Sample ID: 18G0959-12

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 19:59	JMB
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 19:59	JMB
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 19:59	JMB
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 19:59	JMB
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 19:59	JMB
Aroclor-1254 [2]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 19:59	JMB
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 19:59	JMB
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 19:59	JMB
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 19:59	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		91.4	30-150					7/27/18 19:59	
Decachlorobiphenyl [2]		89.8	30-150					7/27/18 19:59	
Tetrachloro-m-xylene [1]		73.4	30-150					7/27/18 19:59	
Tetrachloro-m-xylene [2]		74.6	30-150					7/27/18 19:59	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-O-3 (0-0.5)

Sampled: 7/23/2018 12:10

Sample ID: 18G0959-12

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	12	0.55	mg/Kg dry	1		SW-846 6010D	7/27/18	7/31/18 11:22	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-O-3 (0-0.5)

Sampled: 7/23/2018 12:10

Sample ID: 18G0959-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.2		% Wt	1		SM 2540G	7/26/18	7/27/18 17:55	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-O-3 (0.5-1.5)

Sampled: 7/23/2018 12:11

Sample ID: 18G0959-13

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 10:30	JMB
Aroclor-1221 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 10:30	JMB
Aroclor-1232 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 10:30	JMB
Aroclor-1242 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 10:30	JMB
Aroclor-1248 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 10:30	JMB
Aroclor-1254 [1]	1.5	0.43	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 10:30	JMB
Aroclor-1260 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 10:30	JMB
Aroclor-1262 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 10:30	JMB
Aroclor-1268 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 10:30	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		104	30-150					7/28/18 10:30	
Decachlorobiphenyl [2]		101	30-150					7/28/18 10:30	
Tetrachloro-m-xylene [1]		77.7	30-150					7/28/18 10:30	
Tetrachloro-m-xylene [2]		76.7	30-150					7/28/18 10:30	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-O-3 (0.5-1.5)

Sampled: 7/23/2018 12:11

Sample ID: 18G0959-13

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	89	0.55	mg/Kg dry	1		SW-846 6010D	7/27/18	7/31/18 11:36	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-O-3 (0.5-1.5)

Sampled: 7/23/2018 12:11

Sample ID: 18G0959-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.2		% Wt	1		SM 2540G	7/26/18	7/27/18 17:56	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-O-3 (1.5-2.5)

Sampled: 7/23/2018 12:12

Sample ID: 18G0959-14

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 20:34	JMB
Aroclor-1221 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 20:34	JMB
Aroclor-1232 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 20:34	JMB
Aroclor-1242 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 20:34	JMB
Aroclor-1248 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 20:34	JMB
Aroclor-1254 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 20:34	JMB
Aroclor-1260 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 20:34	JMB
Aroclor-1262 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 20:34	JMB
Aroclor-1268 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 20:34	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		86.2	30-150					7/27/18 20:34	
Decachlorobiphenyl [2]		93.0	30-150					7/27/18 20:34	
Tetrachloro-m-xylene [1]		75.8	30-150					7/27/18 20:34	
Tetrachloro-m-xylene [2]		77.2	30-150					7/27/18 20:34	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-O-3 (1.5-2.5)

Sampled: 7/23/2018 12:12

Sample ID: 18G0959-14

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	1500	0.54	mg/Kg dry	1		SW-846 6010D	7/27/18	7/31/18 11:41	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-O-3 (1.5-2.5)

Sampled: 7/23/2018 12:12

Sample ID: 18G0959-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.1		% Wt	1		SM 2540G	7/26/18	7/27/18 17:56	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-O-3 (2.5-3.5)

Sampled: 7/23/2018 12:13

Sample ID: 18G0959-15

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 20:52	JMB
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 20:52	JMB
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 20:52	JMB
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 20:52	JMB
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 20:52	JMB
Aroclor-1254 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 20:52	JMB
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 20:52	JMB
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 20:52	JMB
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 20:52	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		93.1	30-150					7/27/18 20:52	
Decachlorobiphenyl [2]		94.9	30-150					7/27/18 20:52	
Tetrachloro-m-xylene [1]		77.3	30-150					7/27/18 20:52	
Tetrachloro-m-xylene [2]		78.4	30-150					7/27/18 20:52	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-O-3 (2.5-3.5)

Sampled: 7/23/2018 12:13

Sample ID: 18G0959-15

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	240	0.57	mg/Kg dry	1		SW-846 6010D	7/27/18	7/31/18 11:46	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-O-3 (2.5-3.5)

Sampled: 7/23/2018 12:13

Sample ID: 18G0959-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.3		% Wt	1		SM 2540G	7/26/18	7/27/18 17:56	JFC



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-Q-10 (0-0.5)

Sampled: 7/24/2018 09:00

Sample ID: 18G0959-16

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 10:48	JMB
Aroclor-1221 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 10:48	JMB
Aroclor-1232 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 10:48	JMB
Aroclor-1242 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 10:48	JMB
Aroclor-1248 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 10:48	JMB
Aroclor-1254 [2]	1.9	0.44	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 10:48	JMB
Aroclor-1260 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 10:48	JMB
Aroclor-1262 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 10:48	JMB
Aroclor-1268 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 10:48	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		110	30-150					7/28/18 10:48	
Decachlorobiphenyl [2]		107	30-150					7/28/18 10:48	
Tetrachloro-m-xylene [1]		88.3	30-150					7/28/18 10:48	
Tetrachloro-m-xylene [2]		87.1	30-150					7/28/18 10:48	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-Q-10 (0-0.5)

Sampled: 7/24/2018 09:00

Sample ID: 18G0959-16

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	98	0.55	mg/Kg dry	1		SW-846 6010D	7/27/18	7/31/18 11:51	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-Q-10 (0-0.5)

Sampled: 7/24/2018 09:00

Sample ID: 18G0959-16

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.9		% Wt	1		SM 2540G	7/26/18	7/27/18 17:56	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-Q-10 (0.5-1.5)

Sampled: 7/24/2018 09:01

Sample ID: 18G0959-17

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 21:27	JMB
Aroclor-1221 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 21:27	JMB
Aroclor-1232 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 21:27	JMB
Aroclor-1242 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 21:27	JMB
Aroclor-1248 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 21:27	JMB
Aroclor-1254 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 21:27	JMB
Aroclor-1260 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 21:27	JMB
Aroclor-1262 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 21:27	JMB
Aroclor-1268 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 21:27	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		86.8	30-150					7/27/18 21:27	
Decachlorobiphenyl [2]		89.0	30-150					7/27/18 21:27	
Tetrachloro-m-xylene [1]		79.9	30-150					7/27/18 21:27	
Tetrachloro-m-xylene [2]		83.1	30-150					7/27/18 21:27	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-Q-10 (0.5-1.5)

Sampled: 7/24/2018 09:01

Sample ID: 18G0959-17

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	77	0.52	mg/Kg dry	1		SW-846 6010D	7/27/18	7/31/18 11:55	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-Q-10 (0.5-1.5)

Sampled: 7/24/2018 09:01

Sample ID: 18G0959-17

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.3		% Wt	1		SM 2540G	7/26/18	7/27/18 17:56	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-Q-10 (1.5-2.5)

Sampled: 7/24/2018 09:02

Sample ID: 18G0959-18

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 11:06	JMB
Aroclor-1221 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 11:06	JMB
Aroclor-1232 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 11:06	JMB
Aroclor-1242 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 11:06	JMB
Aroclor-1248 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 11:06	JMB
Aroclor-1254 [2]	2.0	0.41	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 11:06	JMB
Aroclor-1260 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 11:06	JMB
Aroclor-1262 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 11:06	JMB
Aroclor-1268 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/25/18	7/28/18 11:06	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		103	30-150					7/28/18 11:06	
Decachlorobiphenyl [2]		101	30-150					7/28/18 11:06	
Tetrachloro-m-xylene [1]		91.2	30-150					7/28/18 11:06	
Tetrachloro-m-xylene [2]		90.1	30-150					7/28/18 11:06	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-Q-10 (1.5-2.5)

Sampled: 7/24/2018 09:02

Sample ID: 18G0959-18

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	120	0.50	mg/Kg dry	1		SW-846 6010D	7/27/18	7/31/18 11:59	QNW



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-Q-10 (1.5-2.5)

Sampled: 7/24/2018 09:02

Sample ID: 18G0959-18

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	97.7		% Wt	1		SM 2540G	7/26/18	7/27/18 17:56	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-Q-10 (2.5-3.5)

Sampled: 7/24/2018 09:03

Sample ID: 18G0959-19

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.078	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 22:03	JMB
Aroclor-1221 [1]	ND	0.078	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 22:03	JMB
Aroclor-1232 [1]	ND	0.078	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 22:03	JMB
Aroclor-1242 [1]	ND	0.078	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 22:03	JMB
Aroclor-1248 [1]	ND	0.078	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 22:03	JMB
Aroclor-1254 [2]	0.79	0.078	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 22:03	JMB
Aroclor-1260 [1]	ND	0.078	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 22:03	JMB
Aroclor-1262 [1]	ND	0.078	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 22:03	JMB
Aroclor-1268 [1]	ND	0.078	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 22:03	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		82.1	30-150					7/27/18 22:03	
Decachlorobiphenyl [2]		86.1	30-150					7/27/18 22:03	
Tetrachloro-m-xylene [1]		76.6	30-150					7/27/18 22:03	
Tetrachloro-m-xylene [2]		78.4	30-150					7/27/18 22:03	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-Q-10 (2.5-3.5)

Sampled: 7/24/2018 09:03

Sample ID: 18G0959-19

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	110	0.51	mg/Kg dry	1		SW-846 6010D	7/27/18	7/31/18 12:04	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-Q-10 (2.5-3.5)

Sampled: 7/24/2018 09:03

Sample ID: 18G0959-19

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	97.3		% Wt	1		SM 2540G	7/26/18	7/27/18 17:57	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-Q-9 (0-0.5)

Sampled: 7/24/2018 09:30

Sample ID: 18G0959-20

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 22:20	JMB
Aroclor-1221 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 22:20	JMB
Aroclor-1232 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 22:20	JMB
Aroclor-1242 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 22:20	JMB
Aroclor-1248 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 22:20	JMB
Aroclor-1254 [2]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 22:20	JMB
Aroclor-1260 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 22:20	JMB
Aroclor-1262 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 22:20	JMB
Aroclor-1268 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 22:20	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		88.1	30-150					7/27/18 22:20	
Decachlorobiphenyl [2]		89.8	30-150					7/27/18 22:20	
Tetrachloro-m-xylene [1]		83.3	30-150					7/27/18 22:20	
Tetrachloro-m-xylene [2]		86.1	30-150					7/27/18 22:20	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-Q-9 (0-0.5)

Sampled: 7/24/2018 09:30

Sample ID: 18G0959-20

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	100	0.52	mg/Kg dry	1		SW-846 6010D	7/27/18	7/31/18 12:08	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0959

Date Received: 7/24/2018

Field Sample #: B-Q-9 (0-0.5)

Sampled: 7/24/2018 09:30

Sample ID: 18G0959-20

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.0		% Wt	1		SM 2540G	7/26/18	7/27/18 17:57	JFC

**Sample Extraction Data**

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18G0959-01 [B-R-11 (0-0.5)]	B208782	07/26/18
18G0959-02 [B-R-11 (0.5-1.5)]	B208782	07/26/18
18G0959-03 [B-R-11 (1.5-2.5)]	B208782	07/26/18
18G0959-04 [B-R-11 (2.5-3.5)]	B208782	07/26/18
18G0959-05 [B-Q-11 (0-0.5)]	B208782	07/26/18
18G0959-06 [B-Q-11 (0.5-1.5)]	B208782	07/26/18
18G0959-07 [B-Q-11 (1.5-2.5)]	B208782	07/26/18
18G0959-08 [B-Q-11 (2.5-3.5)]	B208782	07/26/18
18G0959-09 [B-P-8 (0.5-1.5)]	B208782	07/26/18
18G0959-10 [B-P-8 (1.5-2.5)]	B208782	07/26/18
18G0959-11 [B-P-8 (2.5-3.5)]	B208782	07/26/18
18G0959-12 [B-O-3 (0-0.5)]	B208782	07/26/18
18G0959-13 [B-O-3 (0.5-1.5)]	B208782	07/26/18
18G0959-14 [B-O-3 (1.5-2.5)]	B208782	07/26/18
18G0959-15 [B-O-3 (2.5-3.5)]	B208782	07/26/18
18G0959-16 [B-Q-10 (0-0.5)]	B208782	07/26/18
18G0959-17 [B-Q-10 (0.5-1.5)]	B208782	07/26/18
18G0959-18 [B-Q-10 (1.5-2.5)]	B208782	07/26/18
18G0959-19 [B-Q-10 (2.5-3.5)]	B208782	07/26/18
18G0959-20 [B-Q-9 (0-0.5)]	B208782	07/26/18

**Prep Method: SW-846 3050B-SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G0959-01 [B-R-11 (0-0.5)]	B208882	1.51	50.0	07/27/18
18G0959-02 [B-R-11 (0.5-1.5)]	B208882	1.55	50.0	07/27/18
18G0959-03 [B-R-11 (1.5-2.5)]	B208882	1.50	50.0	07/27/18
18G0959-04 [B-R-11 (2.5-3.5)]	B208882	1.50	50.0	07/27/18
18G0959-05 [B-Q-11 (0-0.5)]	B208882	1.50	50.0	07/27/18
18G0959-06 [B-Q-11 (0.5-1.5)]	B208882	1.51	50.0	07/27/18
18G0959-07 [B-Q-11 (1.5-2.5)]	B208882	1.50	50.0	07/27/18
18G0959-08 [B-Q-11 (2.5-3.5)]	B208882	1.53	50.0	07/27/18
18G0959-09 [B-P-8 (0.5-1.5)]	B208882	1.51	50.0	07/27/18
18G0959-10 [B-P-8 (1.5-2.5)]	B208882	1.51	50.0	07/27/18
18G0959-11 [B-P-8 (2.5-3.5)]	B208882	1.55	50.0	07/27/18
18G0959-12 [B-O-3 (0-0.5)]	B208882	1.51	50.0	07/27/18
18G0959-13 [B-O-3 (0.5-1.5)]	B208882	1.50	50.0	07/27/18
18G0959-14 [B-O-3 (1.5-2.5)]	B208882	1.50	50.0	07/27/18
18G0959-15 [B-O-3 (2.5-3.5)]	B208882	1.50	50.0	07/27/18
18G0959-16 [B-Q-10 (0-0.5)]	B208882	1.50	50.0	07/27/18
18G0959-17 [B-Q-10 (0.5-1.5)]	B208882	1.50	50.0	07/27/18
18G0959-18 [B-Q-10 (1.5-2.5)]	B208882	1.52	50.0	07/27/18
18G0959-19 [B-Q-10 (2.5-3.5)]	B208882	1.52	50.0	07/27/18
18G0959-20 [B-Q-9 (0-0.5)]	B208882	1.52	50.0	07/27/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G0959-01 [B-R-11 (0-0.5)]	B208713	10.0	10.0	07/25/18
18G0959-02 [B-R-11 (0.5-1.5)]	B208713	10.1	10.0	07/25/18
18G0959-03 [B-R-11 (1.5-2.5)]	B208713	10.5	10.0	07/25/18
18G0959-04 [B-R-11 (2.5-3.5)]	B208713	10.1	10.0	07/25/18
18G0959-05 [B-Q-11 (0-0.5)]	B208713	10.8	10.0	07/25/18



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**Sample Extraction Data****Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G0959-06 [B-Q-11 (0.5-1.5)]	B208713	10.1	10.0	07/25/18
18G0959-07 [B-Q-11 (1.5-2.5)]	B208713	10.0	10.0	07/25/18
18G0959-08 [B-Q-11 (2.5-3.5)]	B208713	10.2	10.0	07/25/18
18G0959-09 [B-P-8 (0.5-1.5)]	B208713	10.7	10.0	07/25/18
18G0959-10 [B-P-8 (1.5-2.5)]	B208713	10.1	10.0	07/25/18
18G0959-11 [B-P-8 (2.5-3.5)]	B208713	10.4	10.0	07/25/18
18G0959-12 [B-O-3 (0-0.5)]	B208713	10.3	10.0	07/25/18
18G0959-13 [B-O-3 (0.5-1.5)]	B208713	10.3	10.0	07/25/18
18G0959-14 [B-O-3 (1.5-2.5)]	B208713	10.3	10.0	07/25/18
18G0959-15 [B-O-3 (2.5-3.5)]	B208713	10.0	10.0	07/25/18
18G0959-16 [B-Q-10 (0-0.5)]	B208713	10.2	10.0	07/25/18
18G0959-17 [B-Q-10 (0.5-1.5)]	B208713	10.2	10.0	07/25/18
18G0959-18 [B-Q-10 (1.5-2.5)]	B208713	10.1	10.0	07/25/18
18G0959-19 [B-Q-10 (2.5-3.5)]	B208713	10.6	10.0	07/25/18
18G0959-20 [B-Q-9 (0-0.5)]	B208713	10.2	10.0	07/25/18

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B208713 - SW-846 3540C**

**Blank (B208713-BLK1)**

Prepared: 07/25/18 Analyzed: 07/27/18

Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.180		mg/Kg wet	0.200		89.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.190		mg/Kg wet	0.200		95.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.175		mg/Kg wet	0.200		87.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.185		mg/Kg wet	0.200		92.7	30-150			

**LCS (B208713-BS1)**

Prepared: 07/25/18 Analyzed: 07/27/18

Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		82.0	40-140			
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		84.7	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		80.6	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		81.1	40-140			
Surrogate: Decachlorobiphenyl	0.179		mg/Kg wet	0.200		89.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.189		mg/Kg wet	0.200		94.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.168		mg/Kg wet	0.200		84.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.178		mg/Kg wet	0.200		88.9	30-150			

**LCS Dup (B208713-BSD1)**

Prepared: 07/25/18 Analyzed: 07/27/18

Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		92.9	40-140	12.4	30	
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		94.1	40-140	10.5	30	
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		89.3	40-140	10.2	30	
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.200		88.8	40-140	9.05	30	
Surrogate: Decachlorobiphenyl	0.188		mg/Kg wet	0.200		94.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.200		mg/Kg wet	0.200		100	30-150			
Surrogate: Tetrachloro-m-xylene	0.182		mg/Kg wet	0.200		90.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.193		mg/Kg wet	0.200		96.4	30-150			

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B208713 - SW-846 3540C**

**Matrix Spike (B208713-MS1)**

**Source: 18G0959-01**

Prepared: 07/25/18 Analyzed: 07/27/18

Aroclor-1016	0.19	0.084	mg/Kg dry	0.211	ND	92.3	40-140			
Aroclor-1016 [2C]	0.22	0.084	mg/Kg dry	0.211	ND	105	40-140			
Aroclor-1260	0.24	0.084	mg/Kg dry	0.211	ND	115	40-140			
Aroclor-1260 [2C]	0.26	0.084	mg/Kg dry	0.211	ND	124	40-140			
Surrogate: Decachlorobiphenyl	0.173		mg/Kg dry	0.211		82.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.177		mg/Kg dry	0.211		84.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.183		mg/Kg dry	0.211		86.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.182		mg/Kg dry	0.211		86.2	30-150			

**Matrix Spike Dup (B208713-MSD1)**

**Source: 18G0959-01**

Prepared: 07/25/18 Analyzed: 07/27/18

Aroclor-1016	0.22	0.086	mg/Kg dry	0.215	ND	105	40-140	14.4	50	
Aroclor-1016 [2C]	0.24	0.086	mg/Kg dry	0.215	ND	111	40-140	7.34	50	
Aroclor-1260	0.27	0.086	mg/Kg dry	0.215	ND	127	40-140	11.8	50	
Aroclor-1260 [2C]	0.29	0.086	mg/Kg dry	0.215	ND	134	40-140	10.2	50	
Surrogate: Decachlorobiphenyl	0.188		mg/Kg dry	0.215		87.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.193		mg/Kg dry	0.215		90.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.203		mg/Kg dry	0.215		94.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.200		mg/Kg dry	0.215		93.2	30-150			

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**QUALITY CONTROL**

**Metals Analyses (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B208882 - SW-846 3050B</b>										
<b>Blank (B208882-BLK1)</b>										
					Prepared: 07/27/18 Analyzed: 07/31/18					
Lead	ND	0.49	mg/Kg wet							
<b>LCS (B208882-BS1)</b>										
					Prepared: 07/27/18 Analyzed: 07/31/18					
Lead	107	1.5	mg/Kg wet	111		96.6	83-117.1			
<b>LCS Dup (B208882-BSD1)</b>										
					Prepared: 07/27/18 Analyzed: 07/31/18					
Lead	113	1.5	mg/Kg wet	111		102	83-117.1	5.07	30	
<b>Duplicate (B208882-DUP1)</b>										
					<b>Source: 18G0959-01</b>					
					Prepared: 07/27/18 Analyzed: 07/31/18					
Lead	62.7	0.54	mg/Kg dry			65.2		4.04	35	
<b>MRL Check (B208882-MRL1)</b>										
					Prepared: 07/27/18 Analyzed: 07/31/18					
Lead	0.543	0.49	mg/Kg wet	0.495		110	80-120			
<b>Matrix Spike (B208882-MS1)</b>										
					<b>Source: 18G0959-01</b>					
					Prepared: 07/27/18 Analyzed: 07/31/18					
Lead	87.8	0.55	mg/Kg dry	18.2		65.2	124	75-125		

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**QUALITY CONTROL**

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B208782 - % Solids</b>										
<b>Duplicate (B208782-DUP1)</b>										
<b>Source: 18G0959-01</b> Prepared: 07/26/18 Analyzed: 07/27/18										
% Solids	91.7		% Wt		91.3			0.436	20	
<b>Duplicate (B208782-DUP2)</b>										
<b>Source: 18G0959-12</b> Prepared: 07/26/18 Analyzed: 07/27/18										
% Solids	90.7		% Wt		90.2			0.610	20	
<b>Duplicate (B208782-DUP3)</b>										
<b>Source: 18G0959-19</b> Prepared: 07/26/18 Analyzed: 07/27/18										
% Solids	97.3		% Wt		97.3			0.0705	20	

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-R-11 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G0959-01 Date(s) Analyzed: 07/27/2018 07/27/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.23	14.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-Q-11 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G0959-06 Date(s) Analyzed: 07/28/2018 07/28/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.8	
	2	0.000	-0.030	0.030	1.8	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-Q-11 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G0959-07 Date(s) Analyzed: 07/27/2018 07/27/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.14	
	2	0.000	-0.030	0.030	0.15	6.9



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-P-8 (0.5-1.5)**

Lab Sample ID: 18G0959-09 Date(s) Analyzed: 07/27/2018 07/27/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.75	
	2	0.000	-0.030	0.030	0.80	6.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-P-8 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G0959-10 Date(s) Analyzed: 07/27/2018 07/27/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.87	
	2	0.000	-0.030	0.030	0.91	4.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-P-8 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G0959-11 Date(s) Analyzed: 07/28/2018 07/28/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	3.3	
	2	0.000	-0.030	0.030	3.3	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-O-3 (0.5-1.5)**

Lab Sample ID: 18G0959-13 Date(s) Analyzed: 07/28/2018 07/28/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): \_\_\_\_\_ ID: \_\_\_\_\_ (mm) GC Column (2): \_\_\_\_\_ ID: \_\_\_\_\_ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.5	
	2	0.000	-0.030	0.030	1.3	14.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-Q-10 (0-0.5)**

Lab Sample ID: 18G0959-16 Date(s) Analyzed: 07/28/2018 07/28/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.8	
	2	0.000	-0.030	0.030	1.9	5.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-Q-10 (1.5-2.5)**

Lab Sample ID: 18G0959-18 Date(s) Analyzed: 07/28/2018 07/28/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.0	
	2	0.000	-0.030	0.030	2.0	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-Q-10 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G0959-19 Date(s) Analyzed: 07/27/2018 07/27/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.77	
	2	0.000	-0.030	0.030	0.79	2.6

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

LCS
-----

Lab Sample ID: B208713-BS1 Date(s) Analyzed: 07/27/2018 07/27/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.17	6.1
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.16	0.0





**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**Matrix Spike**

Lab Sample ID:                   B208713-MS1                                        Date(s) Analyzed:           07/27/2018                     07/27/2018          

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.22	14.6
Aroclor-1260	1	0.000	-0.030	0.030	0.24	
	2	0.000	-0.030	0.030	0.26	8.0



---

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
O-32	A dilution was performed as part of the standard analytical procedure.

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<b>SW-846 6010D in Soil</b>	
Lead	CT,NH,NY,AIHA,ME,VA,NC
<b>SW-846 8082A in Soil</b>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

Phone: 413-525-2332  
Fax: 413-525-6405  
Email: info@contestlabs.com



Company Name: **WESTON + SAMPSON**  
Address: **5 SPRING ST. WILSON + SAMPSON**  
Phone: **1-800-SAMPSON**  
Project Location: **CORNING PARKS COMING PARKS**  
Project Name: **CORNING PARKS**  
Project Number:  
Project Manager: **JOE SPURK**  
Con-Test Quote Name/Number:  
Invoice Recipient: **Taylor Smith**  
Sampled By:

Requested Turnaround Time:  
7-Day  10-Day   
Due Date:  
Push Approval Required:  
1-Day  3-Day   
2-Day  4-Day   
Date Delivered:  
Format: PDF  EXCEL   
Other:   
CLP Like Data Pkg Required:   
Email To: **SPURK@WESTON.COM**  
Fax To #:

Con-Test Mark Order #	Client Sample ID / Description	Requesting Date/Time	Sampling Date/Time	Composite	Matrix Code	Conc Code
1	B-R-11 (0-0.5)	7/23	8:30	✓	S	L
2	B-R-11 (0.5-1.5)	"	8:31	✓	S	L
3	B-R-11 (1.5-2.5)	"	8:32	✓	S	L
4	B-R-11 (2.5-3.5)	"	8:33	✓	S	L
5	B-R-11 (3.5-5.5)	"	8:34	✓	S	L
6	B-R-11 (5.5-7.5)	"	8:35	✓	S	L
7	B-Q-11 (0-0.5)	"	8:45	✓	S	L
8	B-Q-11 (0.5-1.5)	"	8:46	✓	S	L
9	B-Q-11 (1.5-2.5)	"	8:47	✓	S	L
10	B-Q-11 (2.5-3.5)	"	8:48	✓	S	L

hold samples w/no checked analyses

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (Signature) \_\_\_\_\_ Date/Time: 7/24/18 16:15  
Received by: (Signature) \_\_\_\_\_ Date/Time: 7/24/18 16:15  
Relinquished by: (Signature) \_\_\_\_\_ Date/Time: 7/24/18 20:00  
Received by: (Signature) \_\_\_\_\_ Date/Time: 7/24/18 20:00  
Relinquished by: (Signature) \_\_\_\_\_ Date/Time: 7/24/18 20:00  
Received by: (Signature) \_\_\_\_\_ Date/Time: 7/24/18 20:00

Special Requirements:  
MA MCP Required   
MCP Certification Form Required   
CT RCP Required   
RCP Certification Form Required   
MA State DW Required   
PAWSID # \_\_\_\_\_

Project Entity:  
Government  Municipality  MWRA  WRTA   
Federal  City  School  AHA-LAP, LLC   
Brownfield  MBTA  Other

PCB ONLY:  
 Soxhlet  Non Soxhlet



http://www.contestlabs.com  
 CHAIN OF CUSTODY RECORD

186-0459  
 Phone: 413-525-2332  
 Fax: 413-525-6405  
 Email: info@contestlabs.com

39 Spruce Street  
 East Longmeadow, MA 01028

**Company Name:** Conway  
**Address:**  
**Phone:**  
**Project Name:**  
**Project Location:**  
**Project Number:**  
**Project Manager:**  
**Con-Test Quote Name/Number:**  
**Invoice Recipient:**  
**Sampled By:**

Con-Test Work Order	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Basic Code
9	B-P-8 (0.5-1.5)	7/24	11:54	1	1	S	✓
10	B-P-8 (1.5-2.5)		11:55				✓
11	B-P-8 (2.5-3.5)		11:56				✓
	B-P-8 (3.5-5.5)		11:57				✓
	B-P-8 (5.5-7.5)		11:58				✓
	B-P-8 (7.5-10.5)		11:59				✓
12	B-O-3 (0-0.5)		12:10				✓
13	B-O-3 (0.5-1.5)		12:11				✓
14	B-O-3 (1.5-2.5)		12:12				✓
15	B-O-3 (2.5-3.5)		12:13				✓

**Requested Turnaround Time:** 7-Day  10-Day   
**Due Date:**  
**Next Analysis Required:** 1-Day  3-Day  4-Day   
**Date Delivery:**  
**Format:** PDF  EXCEL   
**Other:**  
**CLP Like Data Pkg Required:**   
**Email To:**  
**Fax To #:**

**ANALYSIS REQUESTED**

**Matrix Codes:**  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

**Preservation Codes:**  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

**Container Codes:**  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

**PCB ONLY**  
 Soxhlet  
 Non Soxhlet

**con-test ANALYTICAL LABORATORY**  
 www.contestlabs.com

**Special Requirements:**  
 MA MCP Required   
 MCP Certification Form Required   
 G1 RCP Required   
 RCP Certification Form Required   
 MA State DW Required   
 PWSD #

**Project Entry:**  
 Government  
 Federal  
 City  
 Municipality  
 21 J  
 Brownfield  
 MWRA  
 School  
 MBTA  
 WRTA  
 Chromatogram  
 AIHA-LAP, LLC  
 Other

Comments: Samples w/ no analyses backed to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

**Relinquished by (signature):** [Signature] Date/Time: 7/24

**Received (signature):** [Signature] Date/Time: 7/24/18

**Relinquished by (signature):** [Signature] Date/Time: 7/24/18

**Received by (signature):** [Signature] Date/Time: 7/24/18

**Relinquished by (signature):** [Signature] Date/Time: 7/24/18

**Received by (signature):** [Signature] Date/Time: 7/24/18

Page 90 of 93

Phone: 413-525-2332  
Fax: 413-525-6405  
Email: info@contestlabs.com



Requested Turnaround Time: 7-Day  10-Day

Due Date: \_\_\_\_\_

Rush Approval Required: 1-Day  3-Day  2-Day  4-Day

Data Delivery: Format: PDF  EXCEL

Other: \_\_\_\_\_

CLP Like Data Pkg Required:

Email To: \_\_\_\_\_

Fax To #: \_\_\_\_\_

Con-Test Work Order #	Cities Sample To / Distribution	Requesting Date/Time	Priority (Drop Time)	Comprehensive	Basic	Matrix	Dist. Code
16	B-Q-11 (3.5-5.5)	7/24	8:49	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	L
17	B-Q-11 (5.5-7.5)	"	8:50	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	L
18	B-Q-11 (7.5-9.5)	"	8:51	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	L
19	B-Q-10 (0-0.5)	"	9:00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	L
19	B-Q-10 (0.5-1.5)	"	9:01	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	L
19	B-Q-10 (1.5-2.5)	"	9:02	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	L
19	B-Q-10 (2.5-3.5)	"	9:03	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	L
19	B-Q-10 (3.5-5.5)	"	9:04	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	L
19	B-Q-10 (5.5-7.5)	"	9:05	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	L
20	B-Q-9 (0-0.5)	"	9:30	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	M

Requested Turnaround Time: 7-Day  10-Day

Due Date: \_\_\_\_\_

Rush Approval Required: 1-Day  3-Day  2-Day  4-Day

Data Delivery: Format: PDF  EXCEL

Other: \_\_\_\_\_

CLP Like Data Pkg Required:

Email To: \_\_\_\_\_

Fax To #: \_\_\_\_\_

Special Requirements: MA MCP Required  MA State DDP Required

MCP Certification Form Required

CT RCP Required

RCP Certification Form Required

PPWD # \_\_\_\_\_

Project Entity:  Government  Municipality  MWRA  Other

Federal  City  21 J  School  WRTA  Chromatogram

City  Brownfield  MBTA  AHA-LAP, LLC  Non Soxhlet

PCB ONLY:  Soxhlet  Non Soxhlet

Hold Samples with no checked analysis

con-test ANALYTICAL LABORATORY  
www.con-testlabs.com

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
H - High, M - Medium, L - Low, C - Clean, U - Unknown

Relinquished by: (signature) Date/Time: 7/24/18

Received by: (signature) Date/Time: 7/24/18

Relinquished by: (signature) Date/Time: 7/24/18

Received by: (signature) Date/Time: 7/24/18

Relinquished by: (signature) Date/Time: 7/24/18

Received by: (signature) Date/Time: 7/24/18





**con-test**  
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False**

Client WESTON & SAMPSON

Received By ESD Date 12-24-18 Time 20:00

How were the samples received? In Cooler T No Cooler \_\_\_\_\_ On Ice T No Ice \_\_\_\_\_  
Direct from Sampling \_\_\_\_\_ Ambient \_\_\_\_\_ Melted Ice \_\_\_\_\_

Were samples within Temperature? 2-6°C T By Gun # 2 Actual Temp -2.5, 3.6  
By Blank # \_\_\_\_\_ Actual Temp \_\_\_\_\_

Was Custody Seal Intact? NA Were Samples Tampered with? NA  
Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T  
Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F

Are there Rushes? F

Are there Short Holds? F

Is there enough Volume? T

Is there Headspace where applicable? F

Proper Media/Containers Used? T

Were trip blanks received? F

Do all samples have the proper pH? NA

Acid \_\_\_\_\_ Base \_\_\_\_\_

Who was notified? \_\_\_\_\_

Who was notified? \_\_\_\_\_

Who was notified? \_\_\_\_\_

MS/MSD? F

Is splitting samples required? F

On COC? F

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

**Unused Media**

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Comments:



July 31, 2018

Taylor Smith  
Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960

Project Location: Conway Park., Somerville, MA  
Client Job Number:  
Project Number: [none]  
Laboratory Work Order Number: 18G0960

Enclosed are results of analyses for samples received by the laboratory on July 24, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Meghan E. Kelley". The signature is written in a cursive style with a large, sweeping flourish at the end.

Meghan E. Kelley  
Project Manager

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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 7/31/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G0960

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-Q-9 (0.5-1.5)	18G0960-01	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-Q-9 (1.5-2.5)	18G0960-02	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-Q-9 (2.5-3.5)	18G0960-03	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-Q-8 (0-0.5)	18G0960-04	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-Q-8 (0.5-1.5)	18G0960-05	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-Q-8 (1.5-2.5)	18G0960-06	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-Q-8 (2.5-3.5)	18G0960-07	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-S-10 (0-0.5)	18G0960-08	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-S-10 (0.5-1.5)	18G0960-09	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-S-10 (1.5-2.5)	18G0960-10	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-S-10 (2.5-3.5)	18G0960-11	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-S-11 (0-0.5)	18G0960-12	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-S-11 (0.5-1.5)	18G0960-13	Soil		SM 2540G SW-846 6010D SW-846 8082A	

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Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 7/31/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G0960

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-S-11 (1.5-2.5)	18G0960-14	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-S-11 (2.5-3.5)	18G0960-15	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-S-7 (0-0.5)	18G0960-16	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-S-7 (0.5-1.5)	18G0960-17	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-S-7 (1.5-2.5)	18G0960-18	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-S-7 (2.5-3.5)	18G0960-19	Soil		SM 2540G SW-846 6010D SW-846 8082A	

**CASE NARRATIVE SUMMARY**

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 6010, only Pb was requested and reported.

**SW-846 6010D****Qualifications:****MS-19**

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

**Analyte & Samples(s) Qualified:****Lead**

18G0960-01[B-Q-9 (0.5-1.5)], B208883-MS1

**SW-846 8082A****Qualifications:****O-32**

A dilution was performed as part of the standard analytical procedure.

**Analyte & Samples(s) Qualified:**

18G0960-01[B-Q-9 (0.5-1.5)], 18G0960-02[B-Q-9 (1.5-2.5)], 18G0960-04[B-Q-8 (0-0.5)], 18G0960-05[B-Q-8 (0.5-1.5)], 18G0960-06[B-Q-8 (1.5-2.5)], 18G0960-10[B-S-10 (1.5-2.5)], 18G0960-11[B-S-10 (2.5-3.5)], 18G0960-14[B-S-11 (1.5-2.5)], 18G0960-15[B-S-11 (2.5-3.5)], 18G0960-18[B-S-7 (1.5-2.5)], 18G0960-19[B-S-7 (2.5-3.5)]

**S-01**

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**Analyte & Samples(s) Qualified:****Decachlorobiphenyl**

18G0960-08[B-S-10 (0-0.5)], 18G0960-12[B-S-11 (0-0.5)]

**Decachlorobiphenyl [2C]**

18G0960-08[B-S-10 (0-0.5)], 18G0960-12[B-S-11 (0-0.5)]

**Tetrachloro-m-xylene**

18G0960-08[B-S-10 (0-0.5)], 18G0960-12[B-S-11 (0-0.5)]

**Tetrachloro-m-xylene [2C]**

18G0960-08[B-S-10 (0-0.5)], 18G0960-12[B-S-11 (0-0.5)]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington  
Project Manager



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-Q-9 (0.5-1.5)

Sampled: 7/23/2018 09:31

Sample ID: 18G0960-01

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 1:50	JMB
Aroclor-1221 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 1:50	JMB
Aroclor-1232 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 1:50	JMB
Aroclor-1242 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 1:50	JMB
Aroclor-1248 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 1:50	JMB
Aroclor-1254 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 1:50	JMB
Aroclor-1260 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 1:50	JMB
Aroclor-1262 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 1:50	JMB
Aroclor-1268 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 1:50	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		75.1	30-150					7/28/18 1:50	
Decachlorobiphenyl [2]		78.7	30-150					7/28/18 1:50	
Tetrachloro-m-xylene [1]		82.4	30-150					7/28/18 1:50	
Tetrachloro-m-xylene [2]		81.7	30-150					7/28/18 1:50	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-Q-9 (0.5-1.5)

Sampled: 7/23/2018 09:31

Sample ID: 18G0960-01

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	85	0.52	mg/Kg dry	1	MS-19	SW-846 6010D	7/27/18	7/30/18 22:18	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-Q-9 (0.5-1.5)

Sampled: 7/23/2018 09:31

Sample ID: 18G0960-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.9		% Wt	1		SM 2540G	7/26/18	7/27/18 17:57	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-Q-9 (1.5-2.5)

Sampled: 7/23/2018 09:32

Sample ID: 18G0960-02

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 2:08	JMB
Aroclor-1221 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 2:08	JMB
Aroclor-1232 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 2:08	JMB
Aroclor-1242 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 2:08	JMB
Aroclor-1248 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 2:08	JMB
Aroclor-1254 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 2:08	JMB
Aroclor-1260 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 2:08	JMB
Aroclor-1262 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 2:08	JMB
Aroclor-1268 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 2:08	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		73.3	30-150					7/28/18 2:08	
Decachlorobiphenyl [2]		72.9	30-150					7/28/18 2:08	
Tetrachloro-m-xylene [1]		77.5	30-150					7/28/18 2:08	
Tetrachloro-m-xylene [2]		76.6	30-150					7/28/18 2:08	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-Q-9 (1.5-2.5)

Sampled: 7/23/2018 09:32

Sample ID: 18G0960-02

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	37	0.49	mg/Kg dry	1		SW-846 6010D	7/27/18	7/30/18 22:22	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-Q-9 (1.5-2.5)

Sampled: 7/23/2018 09:32

Sample ID: 18G0960-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	98.6		% Wt	1		SM 2540G	7/26/18	7/27/18 17:58	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-Q-9 (2.5-3.5)

Sampled: 7/23/2018 09:33

Sample ID: 18G0960-03

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 2:26	JMB
Aroclor-1221 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 2:26	JMB
Aroclor-1232 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 2:26	JMB
Aroclor-1242 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 2:26	JMB
Aroclor-1248 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 2:26	JMB
Aroclor-1254 [2]	0.38	0.080	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 2:26	JMB
Aroclor-1260 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 2:26	JMB
Aroclor-1262 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 2:26	JMB
Aroclor-1268 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 2:26	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		82.5	30-150					7/28/18 2:26	
Decachlorobiphenyl [2]		87.9	30-150					7/28/18 2:26	
Tetrachloro-m-xylene [1]		88.2	30-150					7/28/18 2:26	
Tetrachloro-m-xylene [2]		87.2	30-150					7/28/18 2:26	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-Q-9 (2.5-3.5)

Sampled: 7/23/2018 09:33

Sample ID: 18G0960-03

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	41	0.52	mg/Kg dry	1		SW-846 6010D	7/27/18	7/30/18 21:41	QNW



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-Q-9 (2.5-3.5)

Sampled: 7/23/2018 09:33

Sample ID: 18G0960-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	98.1		% Wt	1		SM 2540G	7/26/18	7/27/18 17:58	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-Q-8 (0-0.5)

Sampled: 7/23/2018 11:10

Sample ID: 18G0960-04

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 2:43	JMB
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 2:43	JMB
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 2:43	JMB
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 2:43	JMB
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 2:43	JMB
Aroclor-1254 [2]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 2:43	JMB
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 2:43	JMB
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 2:43	JMB
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 2:43	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		81.1	30-150					7/28/18 2:43	
Decachlorobiphenyl [2]		82.5	30-150					7/28/18 2:43	
Tetrachloro-m-xylene [1]		85.6	30-150					7/28/18 2:43	
Tetrachloro-m-xylene [2]		84.7	30-150					7/28/18 2:43	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-Q-8 (0-0.5)

Sampled: 7/23/2018 11:10

Sample ID: 18G0960-04

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	120	0.53	mg/Kg dry	1		SW-846 6010D	7/27/18	7/30/18 21:46	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-Q-8 (0-0.5)

Sampled: 7/23/2018 11:10

Sample ID: 18G0960-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.6		% Wt	1		SM 2540G	7/26/18	7/27/18 17:58	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-Q-8 (0.5-1.5)

Sampled: 7/23/2018 11:11

Sample ID: 18G0960-05

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 3:01	JMB
Aroclor-1221 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 3:01	JMB
Aroclor-1232 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 3:01	JMB
Aroclor-1242 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 3:01	JMB
Aroclor-1248 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 3:01	JMB
Aroclor-1254 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 3:01	JMB
Aroclor-1260 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 3:01	JMB
Aroclor-1262 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 3:01	JMB
Aroclor-1268 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 3:01	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		77.9	30-150					7/28/18 3:01	
Decachlorobiphenyl [2]		79.8	30-150					7/28/18 3:01	
Tetrachloro-m-xylene [1]		86.1	30-150					7/28/18 3:01	
Tetrachloro-m-xylene [2]		84.3	30-150					7/28/18 3:01	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-Q-8 (0.5-1.5)

Sampled: 7/23/2018 11:11

Sample ID: 18G0960-05

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	82	0.49	mg/Kg dry	1		SW-846 6010D	7/27/18	7/30/18 22:27	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-Q-8 (0.5-1.5)

Sampled: 7/23/2018 11:11

Sample ID: 18G0960-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.5		% Wt	1		SM 2540G	7/26/18	7/27/18 17:58	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-Q-8 (1.5-2.5)

Sampled: 7/23/2018 11:12

Sample ID: 18G0960-06

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.077	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 3:19	JMB
Aroclor-1221 [1]	ND	0.077	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 3:19	JMB
Aroclor-1232 [1]	ND	0.077	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 3:19	JMB
Aroclor-1242 [1]	ND	0.077	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 3:19	JMB
Aroclor-1248 [1]	ND	0.077	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 3:19	JMB
Aroclor-1254 [2]	ND	0.077	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 3:19	JMB
Aroclor-1260 [1]	ND	0.077	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 3:19	JMB
Aroclor-1262 [1]	ND	0.077	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 3:19	JMB
Aroclor-1268 [1]	ND	0.077	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 3:19	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		73.5	30-150					7/28/18 3:19	
Decachlorobiphenyl [2]		76.1	30-150					7/28/18 3:19	
Tetrachloro-m-xylene [1]		81.6	30-150					7/28/18 3:19	
Tetrachloro-m-xylene [2]		79.8	30-150					7/28/18 3:19	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-Q-8 (1.5-2.5)

Sampled: 7/23/2018 11:12

Sample ID: 18G0960-06

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	82	0.52	mg/Kg dry	1		SW-846 6010D	7/27/18	7/30/18 22:32	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-Q-8 (1.5-2.5)

Sampled: 7/23/2018 11:12

Sample ID: 18G0960-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	97.4		% Wt	1		SM 2540G	7/26/18	7/27/18 17:58	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-Q-8 (2.5-3.5)

Sampled: 7/23/2018 11:13

Sample ID: 18G0960-07

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.077	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 3:36	JMB
Aroclor-1221 [1]	ND	0.077	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 3:36	JMB
Aroclor-1232 [1]	ND	0.077	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 3:36	JMB
Aroclor-1242 [1]	ND	0.077	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 3:36	JMB
Aroclor-1248 [1]	ND	0.077	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 3:36	JMB
Aroclor-1254 [2]	0.11	0.077	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 3:36	JMB
Aroclor-1260 [1]	ND	0.077	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 3:36	JMB
Aroclor-1262 [1]	ND	0.077	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 3:36	JMB
Aroclor-1268 [1]	ND	0.077	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 3:36	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		88.0	30-150					7/28/18 3:36	
Decachlorobiphenyl [2]		90.7	30-150					7/28/18 3:36	
Tetrachloro-m-xylene [1]		96.6	30-150					7/28/18 3:36	
Tetrachloro-m-xylene [2]		95.9	30-150					7/28/18 3:36	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-Q-8 (2.5-3.5)

Sampled: 7/23/2018 11:13

Sample ID: 18G0960-07

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	61	0.51	mg/Kg dry	1		SW-846 6010D	7/27/18	7/30/18 23:09	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-Q-8 (2.5-3.5)

Sampled: 7/23/2018 11:13

Sample ID: 18G0960-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	97.8		% Wt	1		SM 2540G	7/26/18	7/27/18 17:58	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-S-10 (0-0.5)

Sampled: 7/23/2018 11:30

Sample ID: 18G0960-08

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/26/18	7/28/18 11:24	JMB
Aroclor-1221 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/26/18	7/28/18 11:24	JMB
Aroclor-1232 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/26/18	7/28/18 11:24	JMB
Aroclor-1242 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/26/18	7/28/18 11:24	JMB
Aroclor-1248 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/26/18	7/28/18 11:24	JMB
Aroclor-1254 [2]	5.1	0.90	mg/Kg dry	40		SW-846 8082A	7/26/18	7/28/18 11:24	JMB
Aroclor-1260 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/26/18	7/28/18 11:24	JMB
Aroclor-1262 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/26/18	7/28/18 11:24	JMB
Aroclor-1268 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/26/18	7/28/18 11:24	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			7/28/18 11:24	
Decachlorobiphenyl [2]		*	30-150		S-01			7/28/18 11:24	
Tetrachloro-m-xylene [1]		*	30-150		S-01			7/28/18 11:24	
Tetrachloro-m-xylene [2]		*	30-150		S-01			7/28/18 11:24	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-S-10 (0-0.5)

Sampled: 7/23/2018 11:30

Sample ID: 18G0960-08

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	130	0.58	mg/Kg dry	1		SW-846 6010D	7/27/18	7/30/18 23:13	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-S-10 (0-0.5)

Sampled: 7/23/2018 11:30

Sample ID: 18G0960-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.6		% Wt	1		SM 2540G	7/26/18	7/27/18 17:58	JFC



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-S-10 (0.5-1.5)

Sampled: 7/23/2018 11:31

Sample ID: 18G0960-09

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 4:12	JMB
Aroclor-1221 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 4:12	JMB
Aroclor-1232 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 4:12	JMB
Aroclor-1242 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 4:12	JMB
Aroclor-1248 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 4:12	JMB
Aroclor-1254 [2]	0.26	0.083	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 4:12	JMB
Aroclor-1260 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 4:12	JMB
Aroclor-1262 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 4:12	JMB
Aroclor-1268 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 4:12	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		79.6	30-150					7/28/18 4:12	
Decachlorobiphenyl [2]		83.0	30-150					7/28/18 4:12	
Tetrachloro-m-xylene [1]		87.2	30-150					7/28/18 4:12	
Tetrachloro-m-xylene [2]		85.6	30-150					7/28/18 4:12	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-S-10 (0.5-1.5)

Sampled: 7/23/2018 11:31

Sample ID: 18G0960-09

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	96	0.51	mg/Kg dry	1		SW-846 6010D	7/27/18	7/30/18 23:17	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-S-10 (0.5-1.5)

Sampled: 7/23/2018 11:31

Sample ID: 18G0960-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.0		% Wt	1		SM 2540G	7/26/18	7/27/18 17:59	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-S-10 (1.5-2.5)

Sampled: 7/23/2018 11:32

Sample ID: 18G0960-10

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 4:29	JMB
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 4:29	JMB
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 4:29	JMB
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 4:29	JMB
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 4:29	JMB
Aroclor-1254 [2]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 4:29	JMB
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 4:29	JMB
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 4:29	JMB
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 4:29	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		79.7	30-150					7/28/18 4:29	
Decachlorobiphenyl [2]		80.1	30-150					7/28/18 4:29	
Tetrachloro-m-xylene [1]		85.4	30-150					7/28/18 4:29	
Tetrachloro-m-xylene [2]		83.6	30-150					7/28/18 4:29	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-S-10 (1.5-2.5)

Sampled: 7/23/2018 11:32

Sample ID: 18G0960-10

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	99	0.52	mg/Kg dry	1		SW-846 6010D	7/27/18	7/30/18 23:21	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-S-10 (1.5-2.5)

Sampled: 7/23/2018 11:32

Sample ID: 18G0960-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.7		% Wt	1		SM 2540G	7/26/18	7/27/18 17:59	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-S-10 (2.5-3.5)

Sampled: 7/23/2018 11:33

Sample ID: 18G0960-11

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 5:53	JMB
Aroclor-1221 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 5:53	JMB
Aroclor-1232 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 5:53	JMB
Aroclor-1242 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 5:53	JMB
Aroclor-1248 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 5:53	JMB
Aroclor-1254 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 5:53	JMB
Aroclor-1260 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 5:53	JMB
Aroclor-1262 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 5:53	JMB
Aroclor-1268 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 5:53	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		82.8	30-150					7/28/18 5:53	
Decachlorobiphenyl [2]		83.7	30-150					7/28/18 5:53	
Tetrachloro-m-xylene [1]		87.7	30-150					7/28/18 5:53	
Tetrachloro-m-xylene [2]		85.8	30-150					7/28/18 5:53	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-S-10 (2.5-3.5)

Sampled: 7/23/2018 11:33

Sample ID: 18G0960-11

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	110	0.52	mg/Kg dry	1		SW-846 6010D	7/27/18	7/30/18 23:25	QNW



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-S-10 (2.5-3.5)

Sampled: 7/23/2018 11:33

Sample ID: 18G0960-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.7		% Wt	1		SM 2540G	7/26/18	7/27/18 17:59	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-S-11 (0-0.5)

Sampled: 7/23/2018 12:00

Sample ID: 18G0960-12

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	7/26/18	7/28/18 11:41	JMB
Aroclor-1221 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	7/26/18	7/28/18 11:41	JMB
Aroclor-1232 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	7/26/18	7/28/18 11:41	JMB
Aroclor-1242 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	7/26/18	7/28/18 11:41	JMB
Aroclor-1248 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	7/26/18	7/28/18 11:41	JMB
Aroclor-1254 [2]	4.5	0.87	mg/Kg dry	40		SW-846 8082A	7/26/18	7/28/18 11:41	JMB
Aroclor-1260 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	7/26/18	7/28/18 11:41	JMB
Aroclor-1262 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	7/26/18	7/28/18 11:41	JMB
Aroclor-1268 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	7/26/18	7/28/18 11:41	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			7/28/18 11:41	
Decachlorobiphenyl [2]		*	30-150		S-01			7/28/18 11:41	
Tetrachloro-m-xylene [1]		*	30-150		S-01			7/28/18 11:41	
Tetrachloro-m-xylene [2]		*	30-150		S-01			7/28/18 11:41	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-S-11 (0-0.5)

Sampled: 7/23/2018 12:00

Sample ID: 18G0960-12

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	140	0.53	mg/Kg dry	1		SW-846 6010D	7/27/18	7/30/18 23:29	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-S-11 (0-0.5)

Sampled: 7/23/2018 12:00

Sample ID: 18G0960-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.8		% Wt	1		SM 2540G	7/26/18	7/27/18 17:59	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-S-11 (0.5-1.5)

Sampled: 7/23/2018 12:01

Sample ID: 18G0960-13

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 6:28	JMB
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 6:28	JMB
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 6:28	JMB
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 6:28	JMB
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 6:28	JMB
Aroclor-1254 [2]	0.18	0.082	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 6:28	JMB
Aroclor-1260 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 6:28	JMB
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 6:28	JMB
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 6:28	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		73.4	30-150					7/28/18 6:28	
Decachlorobiphenyl [2]		72.9	30-150					7/28/18 6:28	
Tetrachloro-m-xylene [1]		77.4	30-150					7/28/18 6:28	
Tetrachloro-m-xylene [2]		75.4	30-150					7/28/18 6:28	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-S-11 (0.5-1.5)

Sampled: 7/23/2018 12:01

Sample ID: 18G0960-13

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	120	0.52	mg/Kg dry	1		SW-846 6010D	7/27/18	7/30/18 20:49	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-S-11 (0.5-1.5)

Sampled: 7/23/2018 12:01

Sample ID: 18G0960-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.4		% Wt	1		SM 2540G	7/26/18	7/27/18 17:59	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-S-11 (1.5-2.5)

Sampled: 7/23/2018 12:02

Sample ID: 18G0960-14

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 6:46	JMB
Aroclor-1221 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 6:46	JMB
Aroclor-1232 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 6:46	JMB
Aroclor-1242 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 6:46	JMB
Aroclor-1248 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 6:46	JMB
Aroclor-1254 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 6:46	JMB
Aroclor-1260 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 6:46	JMB
Aroclor-1262 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 6:46	JMB
Aroclor-1268 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 6:46	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		82.0	30-150					7/28/18 6:46	
Decachlorobiphenyl [2]		80.1	30-150					7/28/18 6:46	
Tetrachloro-m-xylene [1]		82.5	30-150					7/28/18 6:46	
Tetrachloro-m-xylene [2]		81.0	30-150					7/28/18 6:46	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-S-11 (1.5-2.5)

Sampled: 7/23/2018 12:02

Sample ID: 18G0960-14

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	34	0.52	mg/Kg dry	1		SW-846 6010D	7/27/18	7/30/18 20:55	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-S-11 (1.5-2.5)

Sampled: 7/23/2018 12:02

Sample ID: 18G0960-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.1		% Wt	1		SM 2540G	7/26/18	7/27/18 17:59	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-S-11 (2.5-3.5)

Sampled: 7/23/2018 12:03

Sample ID: 18G0960-15

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 7:03	JMB
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 7:03	JMB
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 7:03	JMB
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 7:03	JMB
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 7:03	JMB
Aroclor-1254 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 7:03	JMB
Aroclor-1260 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 7:03	JMB
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 7:03	JMB
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 7:03	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		91.1	30-150					7/28/18 7:03	
Decachlorobiphenyl [2]		88.3	30-150					7/28/18 7:03	
Tetrachloro-m-xylene [1]		90.7	30-150					7/28/18 7:03	
Tetrachloro-m-xylene [2]		89.0	30-150					7/28/18 7:03	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-S-11 (2.5-3.5)

Sampled: 7/23/2018 12:03

Sample ID: 18G0960-15

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	8.6	0.55	mg/Kg dry	1		SW-846 6010D	7/27/18	7/30/18 21:00	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-S-11 (2.5-3.5)

Sampled: 7/23/2018 12:03

Sample ID: 18G0960-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.0		% Wt	1		SM 2540G	7/26/18	7/27/18 17:59	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-S-7 (0-0.5)

Sampled: 7/23/2018 12:30

Sample ID: 18G0960-16

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	7/26/18	7/28/18 11:59	JMB
Aroclor-1221 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	7/26/18	7/28/18 11:59	JMB
Aroclor-1232 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	7/26/18	7/28/18 11:59	JMB
Aroclor-1242 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	7/26/18	7/28/18 11:59	JMB
Aroclor-1248 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	7/26/18	7/28/18 11:59	JMB
Aroclor-1254 [2]	2.5	0.46	mg/Kg dry	20		SW-846 8082A	7/26/18	7/28/18 11:59	JMB
Aroclor-1260 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	7/26/18	7/28/18 11:59	JMB
Aroclor-1262 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	7/26/18	7/28/18 11:59	JMB
Aroclor-1268 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	7/26/18	7/28/18 11:59	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		85.1	30-150					7/28/18 11:59	
Decachlorobiphenyl [2]		86.4	30-150					7/28/18 11:59	
Tetrachloro-m-xylene [1]		84.7	30-150					7/28/18 11:59	
Tetrachloro-m-xylene [2]		81.6	30-150					7/28/18 11:59	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-S-7 (0-0.5)

Sampled: 7/23/2018 12:30

Sample ID: 18G0960-16

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	140	0.57	mg/Kg dry	1		SW-846 6010D	7/27/18	7/30/18 21:17	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-S-7 (0-0.5)

Sampled: 7/23/2018 12:30

Sample ID: 18G0960-16

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.4		% Wt	1		SM 2540G	7/26/18	7/27/18 18:00	JFC



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-S-7 (0.5-1.5)

Sampled: 7/23/2018 12:31

Sample ID: 18G0960-17

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 7:39	JMB
Aroclor-1221 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 7:39	JMB
Aroclor-1232 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 7:39	JMB
Aroclor-1242 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 7:39	JMB
Aroclor-1248 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 7:39	JMB
Aroclor-1254 [2]	0.14	0.083	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 7:39	JMB
Aroclor-1260 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 7:39	JMB
Aroclor-1262 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 7:39	JMB
Aroclor-1268 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 7:39	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		82.3	30-150					7/28/18 7:39	
Decachlorobiphenyl [2]		87.4	30-150					7/28/18 7:39	
Tetrachloro-m-xylene [1]		82.5	30-150					7/28/18 7:39	
Tetrachloro-m-xylene [2]		81.0	30-150					7/28/18 7:39	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-S-7 (0.5-1.5)

Sampled: 7/23/2018 12:31

Sample ID: 18G0960-17

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	140	0.53	mg/Kg dry	1		SW-846 6010D	7/27/18	7/30/18 21:23	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-S-7 (0.5-1.5)

Sampled: 7/23/2018 12:31

Sample ID: 18G0960-17

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.5		% Wt	1		SM 2540G	7/26/18	7/27/18 18:00	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-S-7 (1.5-2.5)

Sampled: 7/23/2018 12:32

Sample ID: 18G0960-18

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 7:56	JMB
Aroclor-1221 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 7:56	JMB
Aroclor-1232 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 7:56	JMB
Aroclor-1242 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 7:56	JMB
Aroclor-1248 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 7:56	JMB
Aroclor-1254 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 7:56	JMB
Aroclor-1260 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 7:56	JMB
Aroclor-1262 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 7:56	JMB
Aroclor-1268 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/26/18	7/28/18 7:56	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.8	30-150					7/28/18 7:56	
Decachlorobiphenyl [2]		89.6	30-150					7/28/18 7:56	
Tetrachloro-m-xylene [1]		90.9	30-150					7/28/18 7:56	
Tetrachloro-m-xylene [2]		90.4	30-150					7/28/18 7:56	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-S-7 (1.5-2.5)

Sampled: 7/23/2018 12:32

Sample ID: 18G0960-18

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	210	0.53	mg/Kg dry	1		SW-846 6010D	7/27/18	7/30/18 21:28	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-S-7 (1.5-2.5)

Sampled: 7/23/2018 12:32

Sample ID: 18G0960-18

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.6		% Wt	1		SM 2540G	7/26/18	7/27/18 18:00	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-S-7 (2.5-3.5)

Sampled: 7/23/2018 12:33

Sample ID: 18G0960-19

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:14	KAL
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:14	KAL
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:14	KAL
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:14	KAL
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:14	KAL
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:14	KAL
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:14	KAL
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:14	KAL
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:14	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		83.8	30-150					7/30/18 19:14	
Decachlorobiphenyl [2]		90.3	30-150					7/30/18 19:14	
Tetrachloro-m-xylene [1]		81.4	30-150					7/30/18 19:14	
Tetrachloro-m-xylene [2]		93.5	30-150					7/30/18 19:14	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-S-7 (2.5-3.5)

Sampled: 7/23/2018 12:33

Sample ID: 18G0960-19

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	190	0.53	mg/Kg dry	1		SW-846 6010D	7/27/18	7/30/18 21:35	MJH



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0960

Date Received: 7/24/2018

Field Sample #: B-S-7 (2.5-3.5)

Sampled: 7/23/2018 12:33

Sample ID: 18G0960-19

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.0		% Wt	1		SM 2540G	7/26/18	7/27/18 18:00	JFC

**Sample Extraction Data**

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18G0960-01 [B-Q-9 (0.5-1.5)]	B208782	07/26/18
18G0960-02 [B-Q-9 (1.5-2.5)]	B208782	07/26/18
18G0960-03 [B-Q-9 (2.5-3.5)]	B208782	07/26/18
18G0960-04 [B-Q-8 (0-0.5)]	B208782	07/26/18
18G0960-05 [B-Q-8 (0.5-1.5)]	B208782	07/26/18
18G0960-06 [B-Q-8 (1.5-2.5)]	B208782	07/26/18
18G0960-07 [B-Q-8 (2.5-3.5)]	B208782	07/26/18
18G0960-08 [B-S-10 (0-0.5)]	B208782	07/26/18
18G0960-09 [B-S-10 (0.5-1.5)]	B208782	07/26/18
18G0960-10 [B-S-10 (1.5-2.5)]	B208782	07/26/18
18G0960-11 [B-S-10 (2.5-3.5)]	B208782	07/26/18
18G0960-12 [B-S-11 (0-0.5)]	B208782	07/26/18
18G0960-13 [B-S-11 (0.5-1.5)]	B208782	07/26/18
18G0960-14 [B-S-11 (1.5-2.5)]	B208782	07/26/18
18G0960-15 [B-S-11 (2.5-3.5)]	B208782	07/26/18
18G0960-16 [B-S-7 (0-0.5)]	B208782	07/26/18
18G0960-17 [B-S-7 (0.5-1.5)]	B208782	07/26/18
18G0960-18 [B-S-7 (1.5-2.5)]	B208782	07/26/18
18G0960-19 [B-S-7 (2.5-3.5)]	B208782	07/26/18

**Prep Method: SW-846 3050B-SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G0960-01 [B-Q-9 (0.5-1.5)]	B208883	1.51	50.0	07/27/18
18G0960-02 [B-Q-9 (1.5-2.5)]	B208883	1.57	50.0	07/27/18
18G0960-03 [B-Q-9 (2.5-3.5)]	B208883	1.47	50.0	07/27/18
18G0960-04 [B-Q-8 (0-0.5)]	B208883	1.49	50.0	07/27/18
18G0960-05 [B-Q-8 (0.5-1.5)]	B208883	1.60	50.0	07/27/18
18G0960-06 [B-Q-8 (1.5-2.5)]	B208883	1.49	50.0	07/27/18
18G0960-07 [B-Q-8 (2.5-3.5)]	B208883	1.51	50.0	07/27/18
18G0960-08 [B-S-10 (0-0.5)]	B208883	1.49	50.0	07/27/18
18G0960-09 [B-S-10 (0.5-1.5)]	B208883	1.52	50.0	07/27/18
18G0960-10 [B-S-10 (1.5-2.5)]	B208883	1.51	50.0	07/27/18
18G0960-11 [B-S-10 (2.5-3.5)]	B208883	1.50	50.0	07/27/18
18G0960-12 [B-S-11 (0-0.5)]	B208883	1.59	50.0	07/27/18
18G0960-13 [B-S-11 (0.5-1.5)]	B208883	1.50	50.0	07/27/18
18G0960-14 [B-S-11 (1.5-2.5)]	B208883	1.55	50.0	07/27/18
18G0960-15 [B-S-11 (2.5-3.5)]	B208883	1.48	50.0	07/27/18
18G0960-16 [B-S-7 (0-0.5)]	B208883	1.53	50.0	07/27/18
18G0960-17 [B-S-7 (0.5-1.5)]	B208883	1.53	50.0	07/27/18
18G0960-18 [B-S-7 (1.5-2.5)]	B208883	1.54	50.0	07/27/18
18G0960-19 [B-S-7 (2.5-3.5)]	B208883	1.56	50.0	07/27/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G0960-01 [B-Q-9 (0.5-1.5)]	B208721	10.6	10.0	07/26/18
18G0960-02 [B-Q-9 (1.5-2.5)]	B208721	10.1	10.0	07/26/18
18G0960-03 [B-Q-9 (2.5-3.5)]	B208721	10.2	10.0	07/26/18
18G0960-04 [B-Q-8 (0-0.5)]	B208721	10.0	10.0	07/26/18
18G0960-05 [B-Q-8 (0.5-1.5)]	B208721	10.2	10.0	07/26/18
18G0960-06 [B-Q-8 (1.5-2.5)]	B208721	10.7	10.0	07/26/18
18G0960-07 [B-Q-8 (2.5-3.5)]	B208721	10.6	10.0	07/26/18

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**Sample Extraction Data****Prep Method: SW-846 3540C-SW-846 8082A**

<b>Lab Number [Field ID]</b>	<b>Batch</b>	<b>Initial [g]</b>	<b>Final [mL]</b>	<b>Date</b>
18G0960-08 [B-S-10 (0-0.5)]	B208721	10.1	10.0	07/26/18
18G0960-09 [B-S-10 (0.5-1.5)]	B208721	10.1	10.0	07/26/18
18G0960-10 [B-S-10 (1.5-2.5)]	B208721	10.0	10.0	07/26/18
18G0960-11 [B-S-10 (2.5-3.5)]	B208721	10.5	10.0	07/26/18
18G0960-12 [B-S-11 (0-0.5)]	B208721	10.4	10.0	07/26/18
18G0960-13 [B-S-11 (0.5-1.5)]	B208721	10.2	10.0	07/26/18
18G0960-14 [B-S-11 (1.5-2.5)]	B208721	10.6	10.0	07/26/18
18G0960-15 [B-S-11 (2.5-3.5)]	B208721	10.5	10.0	07/26/18
18G0960-16 [B-S-7 (0-0.5)]	B208721	10.1	10.0	07/26/18
18G0960-17 [B-S-7 (0.5-1.5)]	B208721	10.4	10.0	07/26/18
18G0960-18 [B-S-7 (1.5-2.5)]	B208721	10.7	10.0	07/26/18

**Prep Method: SW-846 3540C-SW-846 8082A**

<b>Lab Number [Field ID]</b>	<b>Batch</b>	<b>Initial [g]</b>	<b>Final [mL]</b>	<b>Date</b>
18G0960-19 [B-S-7 (2.5-3.5)]	B208911	10.0	10.0	07/27/18

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B208721 - SW-846 3540C**

**Blank (B208721-BLK1)**

Prepared: 07/26/18 Analyzed: 07/28/18

Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.166		mg/Kg wet	0.198		83.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.170		mg/Kg wet	0.198		85.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.166		mg/Kg wet	0.198		84.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.171		mg/Kg wet	0.198		86.4	30-150			

**LCS (B208721-BS1)**

Prepared: 07/26/18 Analyzed: 07/28/18

Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		91.9	40-140			
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		87.3	40-140			
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		83.6	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		82.5	40-140			
Surrogate: Decachlorobiphenyl	0.171		mg/Kg wet	0.200		85.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.178		mg/Kg wet	0.200		88.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.174		mg/Kg wet	0.200		87.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.179		mg/Kg wet	0.200		89.4	30-150			

**LCS Dup (B208721-BSD1)**

Prepared: 07/26/18 Analyzed: 07/28/18

Aroclor-1016	0.18	0.019	mg/Kg wet	0.190		92.9	40-140	3.73	30	
Aroclor-1016 [2C]	0.17	0.019	mg/Kg wet	0.190		91.8	40-140	0.157	30	
Aroclor-1260	0.17	0.019	mg/Kg wet	0.190		88.0	40-140	0.279	30	
Aroclor-1260 [2C]	0.16	0.019	mg/Kg wet	0.190		86.3	40-140	0.341	30	
Surrogate: Decachlorobiphenyl	0.176		mg/Kg wet	0.190		92.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.181		mg/Kg wet	0.190		95.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.174		mg/Kg wet	0.190		91.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.179		mg/Kg wet	0.190		94.2	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B208721 - SW-846 3540C</b>										
<b>Matrix Spike (B208721-MS1)</b>										
<b>Source: 18G0960-01</b>										
Prepared: 07/26/18 Analyzed: 07/28/18										
Aroclor-1016	0.19	0.083	mg/Kg dry	0.209	ND	93.0	40-140			
Aroclor-1016 [2C]	0.19	0.083	mg/Kg dry	0.209	ND	91.0	40-140			
Aroclor-1260	0.18	0.083	mg/Kg dry	0.209	ND	84.4	40-140			
Aroclor-1260 [2C]	0.18	0.083	mg/Kg dry	0.209	ND	84.8	40-140			
Surrogate: Decachlorobiphenyl	0.168		mg/Kg dry	0.209		80.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.170		mg/Kg dry	0.209		81.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.175		mg/Kg dry	0.209		83.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.172		mg/Kg dry	0.209		82.7	30-150			
<b>Matrix Spike Dup (B208721-MSD1)</b>										
<b>Source: 18G0960-01</b>										
Prepared: 07/26/18 Analyzed: 07/28/18										
Aroclor-1016	0.17	0.082	mg/Kg dry	0.204	ND	83.5	40-140	12.7	50	
Aroclor-1016 [2C]	0.18	0.082	mg/Kg dry	0.204	ND	86.3	40-140	7.26	50	
Aroclor-1260	0.16	0.082	mg/Kg dry	0.204	ND	79.6	40-140	7.91	50	
Aroclor-1260 [2C]	0.16	0.082	mg/Kg dry	0.204	ND	80.1	40-140	7.79	50	
Surrogate: Decachlorobiphenyl	0.150		mg/Kg dry	0.204		73.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.154		mg/Kg dry	0.204		75.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.160		mg/Kg dry	0.204		78.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.157		mg/Kg dry	0.204		76.9	30-150			
<b>Batch B208911 - SW-846 3540C</b>										
<b>Blank (B208911-BLK1)</b>										
Prepared: 07/27/18 Analyzed: 07/30/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.189		mg/Kg wet	0.200		94.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.206		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene	0.184		mg/Kg wet	0.200		91.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.211		mg/Kg wet	0.200		106	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B208911 - SW-846 3540C**

**LCS (B208911-BS1)**

Prepared: 07/27/18 Analyzed: 07/30/18

Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		94.0	40-140			
Aroclor-1016 [2C]	0.21	0.020	mg/Kg wet	0.200		106	40-140			
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		87.0	40-140			
Aroclor-1260 [2C]	0.21	0.020	mg/Kg wet	0.200		105	40-140			
Surrogate: Decachlorobiphenyl	0.196		mg/Kg wet	0.200		98.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.214		mg/Kg wet	0.200		107	30-150			
Surrogate: Tetrachloro-m-xylene	0.191		mg/Kg wet	0.200		95.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.219		mg/Kg wet	0.200		110	30-150			

**LCS Dup (B208911-BSD1)**

Prepared: 07/27/18 Analyzed: 07/30/18

Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		91.7	40-140	2.45	30	
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		102	40-140	4.08	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		85.0	40-140	2.32	30	
Aroclor-1260 [2C]	0.21	0.020	mg/Kg wet	0.200		103	40-140	1.78	30	
Surrogate: Decachlorobiphenyl	0.192		mg/Kg wet	0.200		96.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.211		mg/Kg wet	0.200		106	30-150			
Surrogate: Tetrachloro-m-xylene	0.178		mg/Kg wet	0.200		88.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.205		mg/Kg wet	0.200		103	30-150			

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**QUALITY CONTROL**

**Metals Analyses (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B208883 - SW-846 3050B</b>										
<b>Blank (B208883-BLK1)</b>					Prepared: 07/27/18 Analyzed: 07/30/18					
Lead	ND	0.50	mg/Kg wet							
<b>LCS (B208883-BS1)</b>					Prepared: 07/27/18 Analyzed: 07/30/18					
Lead	103	1.5	mg/Kg wet	111		92.4	83-117.1			
<b>LCS Dup (B208883-BSD1)</b>					Prepared: 07/27/18 Analyzed: 07/30/18					
Lead	103	1.5	mg/Kg wet	111		92.7	83-117.1	0.353	30	
<b>Duplicate (B208883-DUP1)</b>					Source: 18G0960-01 Prepared: 07/27/18 Analyzed: 07/30/18					
Lead	80.7	0.51	mg/Kg dry			85.5		5.77	35	
<b>MRL Check (B208883-MRL1)</b>					Prepared: 07/27/18 Analyzed: 07/30/18					
Lead	0.461	0.49	mg/Kg wet	0.488		94.6	80-120			
<b>Matrix Spike (B208883-MS1)</b>					Source: 18G0960-01 Prepared: 07/27/18 Analyzed: 07/30/18					
Lead	96.8	0.53	mg/Kg dry	17.6		85.5	64.6 * 75-125			MS-19

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**QUALITY CONTROL**

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B208782 - % Solids</b>										
<b>Duplicate (B208782-DUP4)</b>	<b>Source: 18G0960-09</b>			Prepared: 07/26/18 Analyzed: 07/27/18						
% Solids	96.3		% Wt		96.0			0.338	20	
<b>Duplicate (B208782-DUP5)</b>	<b>Source: 18G0960-17</b>			Prepared: 07/26/18 Analyzed: 07/27/18						
% Solids	91.7		% Wt		92.5			0.798	20	



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-Q-9 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G0960-03 Date(s) Analyzed: 07/28/2018 07/28/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.36	
	2	0.000	-0.030	0.030	0.38	5.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-Q-8 (2.5-3.5)**

Lab Sample ID: 18G0960-07 Date(s) Analyzed: 07/28/2018 07/28/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.089	
	2	0.000	-0.030	0.030	0.11	21.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-S-10 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G0960-08 Date(s) Analyzed: 07/28/2018 07/28/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	5.0	
	2	0.000	-0.030	0.030	5.1	2.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-S-10 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G0960-09 Date(s) Analyzed: 07/28/2018 07/28/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.25	
	2	0.000	-0.030	0.030	0.26	3.9

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-S-11 (0-0.5)**

Lab Sample ID: 18G0960-12 Date(s) Analyzed: 07/28/2018 07/28/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): \_\_\_\_\_ ID: \_\_\_\_\_ (mm) GC Column (2): \_\_\_\_\_ ID: \_\_\_\_\_ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	4.4	
	2	0.000	-0.030	0.030	4.5	2.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-S-11 (0.5-1.5)**

Lab Sample ID: 18G0960-13 Date(s) Analyzed: 07/28/2018 07/28/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.18	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-S-7 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G0960-16 Date(s) Analyzed: 07/28/2018 07/28/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.4	
	2	0.000	-0.030	0.030	2.5	4.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-S-7 (0.5-1.5)**

Lab Sample ID: 18G0960-17 Date(s) Analyzed: 07/28/2018 07/28/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.12	
	2	0.000	-0.030	0.030	0.14	15.4





**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

<b>LCS Dup</b>
----------------

Lab Sample ID:                     B208721-BSD1                                          Date(s) Analyzed:           07/28/2018                     07/28/2018          

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.17	5.7
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.16	6.1





**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS
-----

*SW-846 8082A*

Lab Sample ID:           B208911-BS1                                Date(s) Analyzed:           07/30/2018                     07/30/2018          

Instrument ID (1):           ECD10                                Instrument ID (2):           ECD10          

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.21	10.0
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.21	21.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

*SW-846 8082A*

Lab Sample ID:                     B208911-BSD1                                          Date(s) Analyzed:           07/30/2018                     07/30/2018          

Instrument ID (1):                     ECD10                                          Instrument ID (2):                     ECD10                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.20	10.5
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.21	21.1

---

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.
O-32	A dilution was performed as part of the standard analytical procedure.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<b>SW-846 6010D in Soil</b>	
Lead	CT,NH,NY,AIHA,ME,VA,NC
<b>SW-846 8082A in Soil</b>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019





860960  
Phone: 413-525-2332  
Fax: 413-525-6405  
Email: info@contestlabs.com



Requested Turnaround Time:  7-Day  10-Day

Date:

Priority Approval Required:  1-Day  3-Day  2-Day  4-Day

Data Delivery:  EXCEL  PDF

Other:

CLP Like Data Pkg Required:

Email To: \_\_\_\_\_

Fax To #: \_\_\_\_\_

# of Containers: \_\_\_\_\_

Preservation Code: \_\_\_\_\_

Container Code: \_\_\_\_\_

**1 Matrix Codes:**  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

**2 Preservation Codes:**  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

**3 Container Codes:**  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

**PCB ONLY**  
 Soxhlet  
 Non Soxhlet

ANALYSIS REQUESTED

Client Sample ID / Description	Sample Date	Sample Time	Sample Type	Sample Location	Sample Volume	Sample Temp	Sample Status
B-Q-8 (7.5-9.5)	7/23	11:16	S	Lead	✓	✓	✓
B-Q-8 (9.5-10)	"	11:17	S	Lead	✓	✓	✓
B-S-10 (0-0.5)	"	11:30	S	Lead	✓	✓	✓
B-S-10 (0.5-1.5)	"	11:31	S	Lead	✓	✓	✓
B-S-10 (1.5-2.5)	"	11:32	S	Lead	✓	✓	✓
B-S-10 (2.5-3.5)	"	11:33	S	Lead	✓	✓	✓
B-S-10 (3.5-5.5)	"	11:34	S	Lead	✓	✓	✓
B-S-10 (5.5-7.5)	"	11:35	S	Lead	✓	✓	✓
B-S-11 (0-0.5)	"	12:00	S	Lead	✓	✓	✓
B-S-11 (0.5-1.5)	"	12:01	S	Lead	✓	✓	✓

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Comments: Samples with no analysis checked to be held

Retinquished by: (signature) \_\_\_\_\_ Date/Time: 7/24/18

Received by: (signature) \_\_\_\_\_ Date/Time: 7/24/18

Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/24/18

Received by: (signature) \_\_\_\_\_ Date/Time: 7/24/18

Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/24/18

Project Entry:  Government  Municipality  MWRA  WRTA  Federal  21 J  School  City  Brownfield  MBTA

Other:  Chromatogram  AIHA-LAP, LLC

MA MCP Required  MA MCP Required Form Required  CT RCP Required  RCP Certification Form Required  RQA Static RM Required

PAWSID: 9

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18669600

Phone: 413-525-2332  
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Email: info@contestlabs.com

CHAIN OF CUSTODY RECORD

Requested Turnaround Time:  7-Day  10-Day

Due Date: \_\_\_\_\_

Analysis Requested:  1-Day  3-Day   2-Day  4-Day

Format:  PDF  EXCEL

Other: \_\_\_\_\_

CLP Like Data Pkg Required:

Email To: \_\_\_\_\_

Fax To #: \_\_\_\_\_

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_

Project Name: Community

Project Location: \_\_\_\_\_

Project Number: \_\_\_\_\_

Project Manager: \_\_\_\_\_

Con-Test Quote Name/Number: \_\_\_\_\_

Invoice Recipient: \_\_\_\_\_

Sampled By: \_\_\_\_\_

Con-Test Work Order #	Client Sample ID / Description	Sample Date/Time	Container Code	Matrix Code	Conc Code
14	B-S-11 (1.5-2.5)	7/23 12:02	1	S	L
15	B-S-11 (2.5-3.5)	12:03	1	S	L
16	B-S-11 (3.5-5.5)	12:04	1	S	L
17	B-S-11 (5.5-7.5)	12:05	1	S	L
18	B-S-11 (7.5-9.5)	12:06	1	S	L
19	B-S-7 (0-0.5)	12:30	1	S	L
	B-S-7 (0.5-1.5)	12:31	1	S	L
	B-S-7 (1.5-2.5)	12:32	1	S	L
	B-S-7 (2.5-3.5)	12:33	1	S	L
	B-S-7 (3.5-5.5)	12:34	1	S	L

Lead  
PCBs (Soxhlet)

Comments: Samples with no checked advises to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished By: (signature) \_\_\_\_\_ Date/Time: 7/24/18

Received By: (signature) \_\_\_\_\_ Date/Time: 7/24/18

Relinquished By: (signature) \_\_\_\_\_ Date/Time: 7/24/18

Received By: (signature) \_\_\_\_\_ Date/Time: 7/24/18

Relinquished By: (signature) \_\_\_\_\_ Date/Time: 7/24/18

Received By: (signature) \_\_\_\_\_ Date/Time: 7/24/18

Project Name: \_\_\_\_\_

Project Location: \_\_\_\_\_

Project Number: \_\_\_\_\_

Project Manager: \_\_\_\_\_

Con-Test Quote Name/Number: \_\_\_\_\_

Invoice Recipient: \_\_\_\_\_

Sampled By: \_\_\_\_\_

Matrix Codes:  
GW = Ground Water  
WW = Waste Water  
DW = Drinking Water  
A = Air  
S = Soil  
SL = Sludge  
SOL = Solid  
O = Other (please define)

Preservation Codes:  
I = Iced  
H = HCL  
M = Methanol  
N = Nitric Acid  
S = Sulfuric Acid  
B = Sodium Bisulfate  
X = Sodium Hydroxide  
T = Sodium Thiosulfate  
O = Other (please define)

Container Codes:  
A = Amber Glass  
G = Glass  
P = Plastic  
ST = Sterile  
V = Vial  
S = Summa Canister  
T = Tedlar Bag  
O = Other (please define)

PCB ONLY  
 Soxhlet  
 Non Soxhlet

Other:  Chromatogram  WRTA  MMRA  School  MBTA  Municipality  21 J  Brownfield  Federal  City  Government

MA MCP Required   
MCP Certifications Form Required   
CT RCP Required   
RCP Certification Form Required   
MA State Lab Required

MA  
CT  
STATE

POSID # \_\_\_\_\_

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Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False**

Client Weston & Sampson  
 Received By RUE Date 7/24/18 Time 2000  
 How were the samples received? In Cooler T No Cooler \_\_\_\_\_ On Ice T No Ice \_\_\_\_\_  
 Direct from Sampling \_\_\_\_\_ Ambient \_\_\_\_\_ Melted Ice \_\_\_\_\_  
 Were samples within Temperature? 2-6°C T By Gun # 8 Actual Temp - 2.5, 3.6 °C  
 By Blank # \_\_\_\_\_ Actual Temp - \_\_\_\_\_  
 Was Custody Seal Intact? NA Were Samples Tampered with? NA  
 Was COC Relinquished? T Does Chain Agree With Samples? \_\_\_\_\_  
 Are there broken/leaking/loose caps on any samples? F  
 Is COC in ink/ Legible? T Were samples received within holding time? T  
 Did COC include all pertinent information? Client T Analysis T Sampler Name T  
 Project T ID's T Collection Dates/Times T  
 Are Sample labels filled out and legible? T  
 Are there Lab to Filters? F Who was notified? \_\_\_\_\_  
 Are there Rushes? F Who was notified? \_\_\_\_\_  
 Are there Short Holds? F Who was notified? \_\_\_\_\_  
 Is there enough Volume? T  
 Is there Headspace where applicable? NA MS/MSD? F  
 Proper Media/Containers Used? T Is splitting samples required? F  
 Were trip blanks received? F On COC? F  
 Do all samples have the proper pH? Acid NA Base NA

Vials	Containers			
Unp-	1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-	500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-	250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-	Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-	Other Plastic		Other Glass	Encore
Thiosulfate-	SOC Kit		Plastic Bag	Frozen:
Sulfuric-	Perchlorate		Ziplock	

**Unused Media**

Vials	Containers			
Unp-	1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-	500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-	250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-	Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-	Other Plastic		Other Glass	Encore
Thiosulfate-	SOC Kit		Plastic Bag	Frozen:
Sulfuric-	Perchlorate		Ziplock	

**Comments:**

MISSING samples - see attached email RUE  
Samples received 7/24/18  
7/25/18

## MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Con-Test Analytical Laboratory	Project #: 18G0960
Project Location: Conway Park., Somerville, MA	RTN:

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]  
18G0960-01 thru 18G0960-19

Matrices: Soil

**CAM Protocol (check all that below)**

8260 VOC CAM II A ( )	7470/7471 Hg CAM III B ( )	MassDEP VPH CAM IV A ( )	8082 PCB CAM V A (X)	9014 Total Cyanide/PAC CAM VI A ( )	6860 Perchlorate CAM VIII B ( )
8270 SVOC CAM II B ( )	7010 Metals CAM III C ( )	MassDEP VPH CAM IV C ( )	8081 Pesticides CAM V B ( )	7196 Hex Cr CAM VI B ( )	MassDEP APH CAM IX A ( )
6010 Metals CAM III A (X)	6020 Metals CAM III D ( )	MassDEP EPH CAM IV A ( )	8151 Herbicides CAM V C ( )	8330 Explosives CAM VIII A ( )	TO-15 VOC CAM IX B ( )

**Affirmative response to Questions A through F is required for "Presumptive Certainty" status**

<b>A</b>	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>B</b>	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>C</b>	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>D</b>	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>E a</b>	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	<input type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>E b</b>	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	<input type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>F</b>	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all No responses to Questions A through E)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>

**A response to questions G, H and I below is required for "Presumptive Certainty" status**

<b>G</b>	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
----------	---	--

**Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.**

<b>H</b>	Were all QC performance standards specified in the CAM protocol(s) achieved?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>
<b>I</b>	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>

<sup>1</sup>All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

**I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.**

Signature: Lisa Worthington Position: Project Manager  
Printed Name: Lisa A. Worthington Date: 07/31/18

July 31, 2018

Taylor Smith  
Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960

Project Location: Conway Park., Somerville, MA  
Client Job Number:  
Project Number: [none]  
Laboratory Work Order Number: 18G0961

Enclosed are results of analyses for samples received by the laboratory on July 24, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Meghan E. Kelley". The signature is written in a cursive style with a large, sweeping flourish at the end.

Meghan E. Kelley  
Project Manager

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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 7/31/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G0961

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-S-6 (0-0.5)	18G0961-01	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-S-6 (0.5-1.5)	18G0961-02	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-S-6 (1.5-2.5)	18G0961-03	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-S-6 (2.5-3.5)	18G0961-04	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-R-7 (0-0.5)	18G0961-05	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-R-7 (0.5-1.5)	18G0961-06	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-R-7 (1.5-2.5)	18G0961-07	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-R-7 (2.5-3.5)	18G0961-08	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-R-6 (0-0.5)	18G0961-09	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-R-6 (0.5-1.5)	18G0961-10	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-R-6 (1.5-2.5)	18G0961-11	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-R-6 (2.5-3.5)	18G0961-12	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-S-3 (2.5-3.5)	18G0961-13	Soil		SM 2540G SW-846 6010D SW-846 8082A	

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Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 7/31/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G0961

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-S-3 (1.5-2.5)	18G0961-14	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-S-3 (0.5-1.5)	18G0961-15	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-S-3 (0-0.5)	18G0961-16	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-S-4 (0-0.5)	18G0961-17	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-S-4 (0.5-1.5)	18G0961-18	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-S-4 (1.5-2.5)	18G0961-19	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-S-4 (2.5-3.5)	18G0961-20	Soil		SM 2540G SW-846 6010D SW-846 8082A	

**CASE NARRATIVE SUMMARY**

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 6010, only lead was requested and reported.

**SW-846 8082A**

**Qualifications:****MS-21**

Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.

**Analyte & Samples(s) Qualified:****Aroclor-1016 [2C]**

B208906-MS1, B208906-MSD1

**Aroclor-1260**

B208906-MS1, B208906-MSD1

**Aroclor-1260 [2C]**

B208906-MS1, B208906-MSD1

**O-32**

A dilution was performed as part of the standard analytical procedure.

**Analyte & Samples(s) Qualified:**

18G0961-02[B-S-6 (0.5-1.5)], 18G0961-03[B-S-6 (1.5-2.5)], 18G0961-04[B-S-6 (2.5-3.5)], 18G0961-05[B-R-7 (0-0.5)], 18G0961-06[B-R-7 (0.5-1.5)], 18G0961-09[B-R-6 (0-0.5)], 18G0961-13[B-S-3 (2.5-3.5)], 18G0961-14[B-S-3 (1.5-2.5)], 18G0961-15[B-S-3 (0.5-1.5)], 18G0961-16[B-S-3 (0-0.5)], 18G0961-17[B-S-4 (0-0.5)], 18G0961-18[B-S-4 (0.5-1.5)], 18G0961-19[B-S-4 (1.5-2.5)], 18G0961-20[B-S-4 (2.5-3.5)]

**S-24**

Surrogate recovery is biased high due to the presence of Aroclor 1268 in the sample. Aroclor 1268 contains decachlorobiphenyl.

**Analyte & Samples(s) Qualified:****Decachlorobiphenyl**

18G0961-07[B-R-7 (1.5-2.5)]

**Decachlorobiphenyl [2C]**

18G0961-07[B-R-7 (1.5-2.5)]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington  
Project Manager

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-S-6 (0-0.5)

Sampled: 7/23/2018 13:05

Sample ID: 18G0961-01

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	7/27/18	7/31/18 6:10	KAL
Aroclor-1221 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	7/27/18	7/31/18 6:10	KAL
Aroclor-1232 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	7/27/18	7/31/18 6:10	KAL
Aroclor-1242 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	7/27/18	7/31/18 6:10	KAL
Aroclor-1248 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	7/27/18	7/31/18 6:10	KAL
Aroclor-1254 [2]	2.6	0.45	mg/Kg dry	20		SW-846 8082A	7/27/18	7/31/18 6:10	KAL
Aroclor-1260 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	7/27/18	7/31/18 6:10	KAL
Aroclor-1262 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	7/27/18	7/31/18 6:10	KAL
Aroclor-1268 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	7/27/18	7/31/18 6:10	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		116	30-150					7/31/18 6:10	
Decachlorobiphenyl [2]		125	30-150					7/31/18 6:10	
Tetrachloro-m-xylene [1]		92.1	30-150					7/31/18 6:10	
Tetrachloro-m-xylene [2]		93.0	30-150					7/31/18 6:10	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-S-6 (0-0.5)

Sampled: 7/23/2018 13:05

Sample ID: 18G0961-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	110	0.59	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 13:05	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-S-6 (0-0.5)

Sampled: 7/23/2018 13:05

Sample ID: 18G0961-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.9		% Wt	1		SM 2540G	7/26/18	7/27/18 18:00	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-S-6 (0.5-1.5)

Sampled: 7/23/2018 13:06

Sample ID: 18G0961-02

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 18:18	KAL
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 18:18	KAL
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 18:18	KAL
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 18:18	KAL
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 18:18	KAL
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 18:18	KAL
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 18:18	KAL
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 18:18	KAL
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 18:18	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		101	30-150					7/30/18 18:18	
Decachlorobiphenyl [2]		107	30-150					7/30/18 18:18	
Tetrachloro-m-xylene [1]		92.7	30-150					7/30/18 18:18	
Tetrachloro-m-xylene [2]		92.6	30-150					7/30/18 18:18	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-S-6 (0.5-1.5)

Sampled: 7/23/2018 13:06

Sample ID: 18G0961-02

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	35	0.55	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 13:19	QNW



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-S-6 (0.5-1.5)

Sampled: 7/23/2018 13:06

Sample ID: 18G0961-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.3		% Wt	1		SM 2540G	7/26/18	7/27/18 18:00	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-S-6 (1.5-2.5)

Sampled: 7/23/2018 13:07

Sample ID: 18G0961-03

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 18:36	KAL
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 18:36	KAL
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 18:36	KAL
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 18:36	KAL
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 18:36	KAL
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 18:36	KAL
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 18:36	KAL
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 18:36	KAL
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 18:36	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		95.8	30-150					7/30/18 18:36	
Decachlorobiphenyl [2]		101	30-150					7/30/18 18:36	
Tetrachloro-m-xylene [1]		92.2	30-150					7/30/18 18:36	
Tetrachloro-m-xylene [2]		92.2	30-150					7/30/18 18:36	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-S-6 (1.5-2.5)

Sampled: 7/23/2018 13:07

Sample ID: 18G0961-03

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	68	0.53	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 13:23	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-S-6 (1.5-2.5)

Sampled: 7/23/2018 13:07

Sample ID: 18G0961-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.8		% Wt	1		SM 2540G	7/26/18	7/27/18 18:00	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-S-6 (2.5-3.5)

Sampled: 7/23/2018 13:08

Sample ID: 18G0961-04

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 18:53	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 18:53	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 18:53	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 18:53	KAL
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 18:53	KAL
Aroclor-1254 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 18:53	KAL
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 18:53	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 18:53	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 18:53	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		100	30-150					7/30/18 18:53	
Decachlorobiphenyl [2]		106	30-150					7/30/18 18:53	
Tetrachloro-m-xylene [1]		94.2	30-150					7/30/18 18:53	
Tetrachloro-m-xylene [2]		93.4	30-150					7/30/18 18:53	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-S-6 (2.5-3.5)

Sampled: 7/23/2018 13:08

Sample ID: 18G0961-04

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	58	0.53	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 13:01	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-S-6 (2.5-3.5)

Sampled: 7/23/2018 13:08

Sample ID: 18G0961-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.5		% Wt	1		SM 2540G	7/26/18	7/27/18 18:01	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-R-7 (0-0.5)

Sampled: 7/23/2018 13:21

Sample ID: 18G0961-05

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:11	KAL
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:11	KAL
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:11	KAL
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:11	KAL
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:11	KAL
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:11	KAL
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:11	KAL
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:11	KAL
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:11	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		105	30-150					7/30/18 19:11	
Decachlorobiphenyl [2]		113	30-150					7/30/18 19:11	
Tetrachloro-m-xylene [1]		96.9	30-150					7/30/18 19:11	
Tetrachloro-m-xylene [2]		96.1	30-150					7/30/18 19:11	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-R-7 (0-0.5)

Sampled: 7/23/2018 13:21

Sample ID: 18G0961-05

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	80	0.55	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 13:28	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-R-7 (0-0.5)

Sampled: 7/23/2018 13:21

Sample ID: 18G0961-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.9		% Wt	1		SM 2540G	7/26/18	7/27/18 18:01	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-R-7 (0.5-1.5)

Sampled: 7/23/2018 13:22

Sample ID: 18G0961-06

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:28	KAL
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:28	KAL
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:28	KAL
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:28	KAL
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:28	KAL
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:28	KAL
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:28	KAL
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:28	KAL
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:28	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		100	30-150					7/30/18 19:28	
Decachlorobiphenyl [2]		110	30-150					7/30/18 19:28	
Tetrachloro-m-xylene [1]		94.6	30-150					7/30/18 19:28	
Tetrachloro-m-xylene [2]		94.4	30-150					7/30/18 19:28	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-R-7 (0.5-1.5)

Sampled: 7/23/2018 13:22

Sample ID: 18G0961-06

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	110	0.53	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 13:33	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-R-7 (0.5-1.5)

Sampled: 7/23/2018 13:22

Sample ID: 18G0961-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.3		% Wt	1		SM 2540G	7/26/18	7/27/18 18:01	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-R-7 (1.5-2.5)

Sampled: 7/23/2018 13:23

Sample ID: 18G0961-07

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:46	KAL
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:46	KAL
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:46	KAL
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:46	KAL
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:46	KAL
Aroclor-1254 [1]	0.23	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:46	KAL
Aroclor-1260 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:46	KAL
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:46	KAL
Aroclor-1268 [2]	0.23	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:46	KAL
Surrogates	% Recovery		Recovery Limits	Flag/Qual					
Decachlorobiphenyl [1]	927	*	30-150	S-24		7/30/18 19:46			
Decachlorobiphenyl [2]	965	*	30-150	S-24		7/30/18 19:46			
Tetrachloro-m-xylene [1]	97.0		30-150			7/30/18 19:46			
Tetrachloro-m-xylene [2]	96.6		30-150			7/30/18 19:46			

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-R-7 (1.5-2.5)

Sampled: 7/23/2018 13:23

Sample ID: 18G0961-07

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	130	0.53	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 13:37	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-R-7 (1.5-2.5)

Sampled: 7/23/2018 13:23

Sample ID: 18G0961-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.7		% Wt	1		SM 2540G	7/26/18	7/27/18 18:01	JFC



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-R-7 (2.5-3.5)

Sampled: 7/23/2018 13:24

Sample ID: 18G0961-08

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:03	KAL
Aroclor-1221 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:03	KAL
Aroclor-1232 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:03	KAL
Aroclor-1242 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:03	KAL
Aroclor-1248 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:03	KAL
Aroclor-1254 [2]	0.16	0.081	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:03	KAL
Aroclor-1260 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:03	KAL
Aroclor-1262 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:03	KAL
Aroclor-1268 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:03	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		102	30-150					7/30/18 20:03	
Decachlorobiphenyl [2]		119	30-150					7/30/18 20:03	
Tetrachloro-m-xylene [1]		93.6	30-150					7/30/18 20:03	
Tetrachloro-m-xylene [2]		93.0	30-150					7/30/18 20:03	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-R-7 (2.5-3.5)

Sampled: 7/23/2018 13:24

Sample ID: 18G0961-08

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	280	0.52	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 13:42	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-R-7 (2.5-3.5)

Sampled: 7/23/2018 13:24

Sample ID: 18G0961-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.8		% Wt	1		SM 2540G	7/26/18	7/27/18 18:02	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-R-6 (0-0.5)

Sampled: 7/23/2018 13:40

Sample ID: 18G0961-09

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:21	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:21	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:21	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:21	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:21	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:21	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:21	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:21	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:21	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		101	30-150					7/30/18 20:21	
Decachlorobiphenyl [2]		108	30-150					7/30/18 20:21	
Tetrachloro-m-xylene [1]		94.9	30-150					7/30/18 20:21	
Tetrachloro-m-xylene [2]		94.8	30-150					7/30/18 20:21	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-R-6 (0-0.5)

Sampled: 7/23/2018 13:40

Sample ID: 18G0961-09

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	200	0.75	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 13:46	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-R-6 (0-0.5)

Sampled: 7/23/2018 13:40

Sample ID: 18G0961-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	65.5		% Wt	1		SM 2540G	7/26/18	7/27/18 18:02	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-R-6 (0.5-1.5)

Sampled: 7/23/2018 13:41

Sample ID: 18G0961-10

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:38	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:38	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:38	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:38	KAL
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:38	KAL
Aroclor-1254 [2]	0.11	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:38	KAL
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:38	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:38	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:38	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		87.8	30-150					7/30/18 20:38	
Decachlorobiphenyl [2]		97.2	30-150					7/30/18 20:38	
Tetrachloro-m-xylene [1]		81.5	30-150					7/30/18 20:38	
Tetrachloro-m-xylene [2]		81.1	30-150					7/30/18 20:38	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-R-6 (0.5-1.5)

Sampled: 7/23/2018 13:41

Sample ID: 18G0961-10

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	190	0.54	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 13:50	QNW



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-R-6 (0.5-1.5)

Sampled: 7/23/2018 13:41

Sample ID: 18G0961-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.9		% Wt	1		SM 2540G	7/26/18	7/27/18 18:02	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-R-6 (1.5-2.5)

Sampled: 7/23/2018 13:42

Sample ID: 18G0961-11

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 22:01	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 22:01	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 22:01	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 22:01	KAL
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 22:01	KAL
Aroclor-1254 [1]	0.10	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 22:01	KAL
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 22:01	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 22:01	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 22:01	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		79.7	30-150					7/30/18 22:01	
Decachlorobiphenyl [2]		86.8	30-150					7/30/18 22:01	
Tetrachloro-m-xylene [1]		79.5	30-150					7/30/18 22:01	
Tetrachloro-m-xylene [2]		80.1	30-150					7/30/18 22:01	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-R-6 (1.5-2.5)

Sampled: 7/23/2018 13:42

Sample ID: 18G0961-11

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	98	0.54	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 13:55	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-R-6 (1.5-2.5)

Sampled: 7/23/2018 13:42

Sample ID: 18G0961-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.1		% Wt	1		SM 2540G	7/26/18	7/27/18 18:02	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-R-6 (2.5-3.5)

Sampled: 7/23/2018 13:43

Sample ID: 18G0961-12

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 22:18	KAL
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 22:18	KAL
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 22:18	KAL
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 22:18	KAL
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 22:18	KAL
Aroclor-1254 [2]	0.13	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 22:18	KAL
Aroclor-1260 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 22:18	KAL
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 22:18	KAL
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 22:18	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		103	30-150					7/30/18 22:18	
Decachlorobiphenyl [2]		111	30-150					7/30/18 22:18	
Tetrachloro-m-xylene [1]		98.9	30-150					7/30/18 22:18	
Tetrachloro-m-xylene [2]		98.6	30-150					7/30/18 22:18	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-R-6 (2.5-3.5)

Sampled: 7/23/2018 13:43

Sample ID: 18G0961-12

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	130	0.54	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 13:59	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-R-6 (2.5-3.5)

Sampled: 7/23/2018 13:43

Sample ID: 18G0961-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.7		% Wt	1		SM 2540G	7/26/18	7/27/18 18:02	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-S-3 (2.5-3.5)

Sampled: 7/23/2018 15:03

Sample ID: 18G0961-13

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 22:36	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 22:36	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 22:36	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 22:36	KAL
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 22:36	KAL
Aroclor-1254 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 22:36	KAL
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 22:36	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 22:36	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 22:36	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		99.6	30-150					7/30/18 22:36	
Decachlorobiphenyl [2]		106	30-150					7/30/18 22:36	
Tetrachloro-m-xylene [1]		96.8	30-150					7/30/18 22:36	
Tetrachloro-m-xylene [2]		97.7	30-150					7/30/18 22:36	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-S-3 (2.5-3.5)

Sampled: 7/23/2018 15:03

Sample ID: 18G0961-13

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	32	0.52	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 14:13	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-S-3 (2.5-3.5)

Sampled: 7/23/2018 15:03

Sample ID: 18G0961-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.7		% Wt	1		SM 2540G	7/26/18	7/27/18 18:02	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-S-3 (1.5-2.5)

Sampled: 7/23/2018 15:02

Sample ID: 18G0961-14

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 22:53	KAL
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 22:53	KAL
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 22:53	KAL
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 22:53	KAL
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 22:53	KAL
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 22:53	KAL
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 22:53	KAL
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 22:53	KAL
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 22:53	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		100	30-150					7/30/18 22:53	
Decachlorobiphenyl [2]		107	30-150					7/30/18 22:53	
Tetrachloro-m-xylene [1]		98.5	30-150					7/30/18 22:53	
Tetrachloro-m-xylene [2]		99.0	30-150					7/30/18 22:53	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-S-3 (1.5-2.5)

Sampled: 7/23/2018 15:02

Sample ID: 18G0961-14

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	42	0.54	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 14:17	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-S-3 (1.5-2.5)

Sampled: 7/23/2018 15:02

Sample ID: 18G0961-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.3		% Wt	1		SM 2540G	7/26/18	7/27/18 18:02	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-S-3 (0.5-1.5)

Sampled: 7/23/2018 15:01

Sample ID: 18G0961-15

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:11	KAL
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:11	KAL
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:11	KAL
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:11	KAL
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:11	KAL
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:11	KAL
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:11	KAL
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:11	KAL
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:11	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		90.2	30-150					7/30/18 23:11	
Decachlorobiphenyl [2]		96.0	30-150					7/30/18 23:11	
Tetrachloro-m-xylene [1]		89.0	30-150					7/30/18 23:11	
Tetrachloro-m-xylene [2]		89.8	30-150					7/30/18 23:11	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-S-3 (0.5-1.5)

Sampled: 7/23/2018 15:01

Sample ID: 18G0961-15

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	30	0.54	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 14:21	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-S-3 (0.5-1.5)

Sampled: 7/23/2018 15:01

Sample ID: 18G0961-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.7		% Wt	1		SM 2540G	7/26/18	7/27/18 18:03	JFC



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-S-3 (0-0.5)

Sampled: 7/23/2018 15:00

Sample ID: 18G0961-16

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:28	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:28	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:28	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:28	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:28	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:28	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:28	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:28	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:28	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		95.9	30-150					7/30/18 23:28	
Decachlorobiphenyl [2]		102	30-150					7/30/18 23:28	
Tetrachloro-m-xylene [1]		97.9	30-150					7/30/18 23:28	
Tetrachloro-m-xylene [2]		98.2	30-150					7/30/18 23:28	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-S-3 (0-0.5)

Sampled: 7/23/2018 15:00

Sample ID: 18G0961-16

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	8.5	0.78	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 14:25	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-S-3 (0-0.5)

Sampled: 7/23/2018 15:00

Sample ID: 18G0961-16

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	64.0		% Wt	1		SM 2540G	7/26/18	7/27/18 18:03	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-S-4 (0-0.5)

Sampled: 7/23/2018 14:45

Sample ID: 18G0961-17

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:46	KAL
Aroclor-1221 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:46	KAL
Aroclor-1232 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:46	KAL
Aroclor-1242 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:46	KAL
Aroclor-1248 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:46	KAL
Aroclor-1254 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:46	KAL
Aroclor-1260 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:46	KAL
Aroclor-1262 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:46	KAL
Aroclor-1268 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:46	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		90.8	30-150					7/30/18 23:46	
Decachlorobiphenyl [2]		95.7	30-150					7/30/18 23:46	
Tetrachloro-m-xylene [1]		85.9	30-150					7/30/18 23:46	
Tetrachloro-m-xylene [2]		86.7	30-150					7/30/18 23:46	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-S-4 (0-0.5)

Sampled: 7/23/2018 14:45

Sample ID: 18G0961-17

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	12	0.54	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 14:30	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-S-4 (0-0.5)

Sampled: 7/23/2018 14:45

Sample ID: 18G0961-17

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.5		% Wt	1		SM 2540G	7/26/18	7/27/18 18:03	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-S-4 (0.5-1.5)

Sampled: 7/23/2018 14:46

Sample ID: 18G0961-18

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/27/18	7/31/18 0:03	KAL
Aroclor-1221 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/27/18	7/31/18 0:03	KAL
Aroclor-1232 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/27/18	7/31/18 0:03	KAL
Aroclor-1242 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/27/18	7/31/18 0:03	KAL
Aroclor-1248 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/27/18	7/31/18 0:03	KAL
Aroclor-1254 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/27/18	7/31/18 0:03	KAL
Aroclor-1260 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/27/18	7/31/18 0:03	KAL
Aroclor-1262 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/27/18	7/31/18 0:03	KAL
Aroclor-1268 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/27/18	7/31/18 0:03	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		81.2	30-150					7/31/18 0:03	
Decachlorobiphenyl [2]		88.1	30-150					7/31/18 0:03	
Tetrachloro-m-xylene [1]		79.9	30-150					7/31/18 0:03	
Tetrachloro-m-xylene [2]		80.0	30-150					7/31/18 0:03	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-S-4 (0.5-1.5)

Sampled: 7/23/2018 14:46

Sample ID: 18G0961-18

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	41	0.53	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 14:35	QNW



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-S-4 (0.5-1.5)

Sampled: 7/23/2018 14:46

Sample ID: 18G0961-18

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.2		% Wt	1		SM 2540G	7/26/18	7/27/18 18:03	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-S-4 (1.5-2.5)

Sampled: 7/23/2018 14:47

Sample ID: 18G0961-19

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/27/18	7/31/18 0:21	KAL
Aroclor-1221 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/27/18	7/31/18 0:21	KAL
Aroclor-1232 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/27/18	7/31/18 0:21	KAL
Aroclor-1242 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/27/18	7/31/18 0:21	KAL
Aroclor-1248 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/27/18	7/31/18 0:21	KAL
Aroclor-1254 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/27/18	7/31/18 0:21	KAL
Aroclor-1260 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/27/18	7/31/18 0:21	KAL
Aroclor-1262 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/27/18	7/31/18 0:21	KAL
Aroclor-1268 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/27/18	7/31/18 0:21	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		90.6	30-150					7/31/18 0:21	
Decachlorobiphenyl [2]		98.5	30-150					7/31/18 0:21	
Tetrachloro-m-xylene [1]		86.9	30-150					7/31/18 0:21	
Tetrachloro-m-xylene [2]		86.9	30-150					7/31/18 0:21	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-S-4 (1.5-2.5)

Sampled: 7/23/2018 14:47

Sample ID: 18G0961-19

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	110	0.54	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 14:39	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-S-4 (1.5-2.5)

Sampled: 7/23/2018 14:47

Sample ID: 18G0961-19

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.1		% Wt	1		SM 2540G	7/26/18	7/27/18 18:03	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-S-4 (2.5-3.5)

Sampled: 7/23/2018 14:48

Sample ID: 18G0961-20

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/31/18 0:38	KAL
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/31/18 0:38	KAL
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/31/18 0:38	KAL
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/31/18 0:38	KAL
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/31/18 0:38	KAL
Aroclor-1254 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/31/18 0:38	KAL
Aroclor-1260 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/31/18 0:38	KAL
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/31/18 0:38	KAL
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/31/18 0:38	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		98.4	30-150					7/31/18 0:38	
Decachlorobiphenyl [2]		105	30-150					7/31/18 0:38	
Tetrachloro-m-xylene [1]		95.9	30-150					7/31/18 0:38	
Tetrachloro-m-xylene [2]		96.1	30-150					7/31/18 0:38	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-S-4 (2.5-3.5)

Sampled: 7/23/2018 14:48

Sample ID: 18G0961-20

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	56	0.52	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 14:43	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0961

Date Received: 7/24/2018

Field Sample #: B-S-4 (2.5-3.5)

Sampled: 7/23/2018 14:48

Sample ID: 18G0961-20

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.1		% Wt	1		SM 2540G	7/26/18	7/27/18 18:03	JFC

**Sample Extraction Data**

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18G0961-01 [B-S-6 (0-0.5)]	B208782	07/26/18
18G0961-02 [B-S-6 (0.5-1.5)]	B208782	07/26/18
18G0961-03 [B-S-6 (1.5-2.5)]	B208782	07/26/18
18G0961-04 [B-S-6 (2.5-3.5)]	B208782	07/26/18
18G0961-05 [B-R-7 (0-0.5)]	B208782	07/26/18
18G0961-06 [B-R-7 (0.5-1.5)]	B208782	07/26/18
18G0961-07 [B-R-7 (1.5-2.5)]	B208782	07/26/18
18G0961-08 [B-R-7 (2.5-3.5)]	B208782	07/26/18
18G0961-09 [B-R-6 (0-0.5)]	B208782	07/26/18
18G0961-10 [B-R-6 (0.5-1.5)]	B208782	07/26/18
18G0961-11 [B-R-6 (1.5-2.5)]	B208782	07/26/18
18G0961-12 [B-R-6 (2.5-3.5)]	B208782	07/26/18
18G0961-13 [B-S-3 (2.5-3.5)]	B208782	07/26/18
18G0961-14 [B-S-3 (1.5-2.5)]	B208782	07/26/18
18G0961-15 [B-S-3 (0.5-1.5)]	B208782	07/26/18
18G0961-16 [B-S-3 (0-0.5)]	B208782	07/26/18
18G0961-17 [B-S-4 (0-0.5)]	B208782	07/26/18
18G0961-18 [B-S-4 (0.5-1.5)]	B208782	07/26/18
18G0961-19 [B-S-4 (1.5-2.5)]	B208782	07/26/18
18G0961-20 [B-S-4 (2.5-3.5)]	B208782	07/26/18

**Prep Method: SW-846 3050B-SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G0961-01 [B-S-6 (0-0.5)]	B208982	1.51	50.0	07/30/18
18G0961-02 [B-S-6 (0.5-1.5)]	B208982	1.53	50.0	07/30/18
18G0961-03 [B-S-6 (1.5-2.5)]	B208982	1.52	50.0	07/30/18
18G0961-04 [B-S-6 (2.5-3.5)]	B208982	1.51	50.0	07/30/18
18G0961-05 [B-R-7 (0-0.5)]	B208982	1.51	50.0	07/30/18
18G0961-06 [B-R-7 (0.5-1.5)]	B208982	1.56	50.0	07/30/18
18G0961-07 [B-R-7 (1.5-2.5)]	B208982	1.50	50.0	07/30/18
18G0961-08 [B-R-7 (2.5-3.5)]	B208982	1.52	50.0	07/30/18
18G0961-09 [B-R-6 (0-0.5)]	B208982	1.52	50.0	07/30/18
18G0961-10 [B-R-6 (0.5-1.5)]	B208982	1.51	50.0	07/30/18
18G0961-11 [B-R-6 (1.5-2.5)]	B208982	1.51	50.0	07/30/18
18G0961-12 [B-R-6 (2.5-3.5)]	B208982	1.50	50.0	07/30/18
18G0961-13 [B-S-3 (2.5-3.5)]	B208982	1.54	50.0	07/30/18
18G0961-14 [B-S-3 (1.5-2.5)]	B208982	1.51	50.0	07/30/18
18G0961-15 [B-S-3 (0.5-1.5)]	B208982	1.51	50.0	07/30/18
18G0961-16 [B-S-3 (0-0.5)]	B208982	1.51	50.0	07/30/18
18G0961-17 [B-S-4 (0-0.5)]	B208982	1.51	50.0	07/30/18
18G0961-18 [B-S-4 (0.5-1.5)]	B208982	1.53	50.0	07/30/18
18G0961-19 [B-S-4 (1.5-2.5)]	B208982	1.52	50.0	07/30/18
18G0961-20 [B-S-4 (2.5-3.5)]	B208982	1.55	50.0	07/30/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G0961-01 [B-S-6 (0-0.5)]	B208906	10.4	10.0	07/27/18
18G0961-02 [B-S-6 (0.5-1.5)]	B208906	10.7	10.0	07/27/18
18G0961-03 [B-S-6 (1.5-2.5)]	B208906	10.0	10.0	07/27/18
18G0961-04 [B-S-6 (2.5-3.5)]	B208906	10.2	10.0	07/27/18
18G0961-05 [B-R-7 (0-0.5)]	B208906	10.0	10.0	07/27/18



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**Sample Extraction Data****Prep Method: SW-846 3540C-SW-846 8082A**

<b>Lab Number [Field ID]</b>	<b>Batch</b>	<b>Initial [g]</b>	<b>Final [mL]</b>	<b>Date</b>
18G0961-06 [B-R-7 (0.5-1.5)]	B208906	10.2	10.0	07/27/18
18G0961-07 [B-R-7 (1.5-2.5)]	B208906	10.4	10.0	07/27/18
18G0961-08 [B-R-7 (2.5-3.5)]	B208906	10.3	10.0	07/27/18
18G0961-09 [B-R-6 (0-0.5)]	B208906	10.0	10.0	07/27/18
18G0961-10 [B-R-6 (0.5-1.5)]	B208906	10.4	10.0	07/27/18
18G0961-11 [B-R-6 (1.5-2.5)]	B208906	10.3	10.0	07/27/18
18G0961-12 [B-R-6 (2.5-3.5)]	B208906	10.5	10.0	07/27/18
18G0961-13 [B-S-3 (2.5-3.5)]	B208906	10.2	10.0	07/27/18
18G0961-14 [B-S-3 (1.5-2.5)]	B208906	10.2	10.0	07/27/18
18G0961-15 [B-S-3 (0.5-1.5)]	B208906	10.1	10.0	07/27/18
18G0961-16 [B-S-3 (0-0.5)]	B208906	10.2	10.0	07/27/18
18G0961-17 [B-S-4 (0-0.5)]	B208906	10.4	10.0	07/27/18
18G0961-18 [B-S-4 (0.5-1.5)]	B208906	10.4	10.0	07/27/18
18G0961-19 [B-S-4 (1.5-2.5)]	B208906	10.7	10.0	07/27/18
18G0961-20 [B-S-4 (2.5-3.5)]	B208906	10.5	10.0	07/27/18

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B208906 - SW-846 3540C</b>										
<b>Blank (B208906-BLK1)</b>										
Prepared: 07/27/18 Analyzed: 07/30/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.216		mg/Kg wet	0.200		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.230		mg/Kg wet	0.200		115	30-150			
Surrogate: Tetrachloro-m-xylene	0.191		mg/Kg wet	0.200		95.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.196		mg/Kg wet	0.200		97.8	30-150			
<b>LCS (B208906-BS1)</b>										
Prepared: 07/27/18 Analyzed: 07/30/18										
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		89.8	40-140			
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		91.2	40-140			
Aroclor-1260	0.19	0.020	mg/Kg wet	0.200		95.9	40-140			
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		97.2	40-140			
Surrogate: Decachlorobiphenyl	0.208		mg/Kg wet	0.200		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.220		mg/Kg wet	0.200		110	30-150			
Surrogate: Tetrachloro-m-xylene	0.180		mg/Kg wet	0.200		90.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.180		mg/Kg wet	0.200		90.2	30-150			
<b>LCS Dup (B208906-BSD1)</b>										
Prepared: 07/27/18 Analyzed: 07/30/18										
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		92.6	40-140	3.03	30	
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		94.3	40-140	3.38	30	
Aroclor-1260	0.19	0.020	mg/Kg wet	0.200		96.9	40-140	0.978	30	
Aroclor-1260 [2C]	0.20	0.020	mg/Kg wet	0.200		99.2	40-140	1.94	30	
Surrogate: Decachlorobiphenyl	0.209		mg/Kg wet	0.200		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.222		mg/Kg wet	0.200		111	30-150			
Surrogate: Tetrachloro-m-xylene	0.186		mg/Kg wet	0.200		93.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.188		mg/Kg wet	0.200		94.0	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B208906 - SW-846 3540C**

**Matrix Spike (B208906-MS1)**

**Source: 18G0961-01**

Prepared: 07/27/18 Analyzed: 07/31/18

Aroclor-1016	0.26	0.093	mg/Kg dry	0.233	ND	111	40-140			
<b>Aroclor-1016 [2C]</b>	0.43	0.093	mg/Kg dry	0.233	ND	<b>184</b> *	40-140			MS-21
<b>Aroclor-1260</b>	0.65	0.093	mg/Kg dry	0.233	ND	<b>280</b> *	40-140			MS-21
<b>Aroclor-1260 [2C]</b>	0.80	0.093	mg/Kg dry	0.233	ND	<b>344</b> *	40-140			MS-21
Surrogate: Decachlorobiphenyl	0.236		mg/Kg dry	0.233		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.259		mg/Kg dry	0.233		111	30-150			
Surrogate: Tetrachloro-m-xylene	0.234		mg/Kg dry	0.233		100	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.234		mg/Kg dry	0.233		100	30-150			

**Matrix Spike Dup (B208906-MSD1)**

**Source: 18G0961-01**

Prepared: 07/27/18 Analyzed: 07/31/18

Aroclor-1016	0.25	0.092	mg/Kg dry	0.231	ND	106	40-140	5.72	50	
<b>Aroclor-1016 [2C]</b>	0.41	0.092	mg/Kg dry	0.231	ND	<b>179</b> *	40-140	4.18	50	MS-21
<b>Aroclor-1260</b>	0.63	0.092	mg/Kg dry	0.231	ND	<b>275</b> *	40-140	3.02	50	MS-21
<b>Aroclor-1260 [2C]</b>	0.78	0.092	mg/Kg dry	0.231	ND	<b>339</b> *	40-140	2.53	50	MS-21
Surrogate: Decachlorobiphenyl	0.230		mg/Kg dry	0.231		99.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.250		mg/Kg dry	0.231		108	30-150			
Surrogate: Tetrachloro-m-xylene	0.222		mg/Kg dry	0.231		96.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.222		mg/Kg dry	0.231		96.0	30-150			

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**QUALITY CONTROL**

**Metals Analyses (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B208982 - SW-846 3050B</b>										
<b>Blank (B208982-BLK1)</b>					Prepared: 07/30/18 Analyzed: 07/31/18					
Lead	ND	0.48	mg/Kg wet							
<b>LCS (B208982-BS1)</b>					Prepared: 07/30/18 Analyzed: 07/31/18					
Lead	106	1.5	mg/Kg wet	111		95.3	83-117.1			
<b>LCS Dup (B208982-BSD1)</b>					Prepared: 07/30/18 Analyzed: 07/31/18					
Lead	105	1.5	mg/Kg wet	111		94.9	83-117.1	0.423	30	
<b>Duplicate (B208982-DUP1)</b>					<b>Source: 18G0961-04</b> Prepared: 07/30/18 Analyzed: 07/31/18					
Lead	65.6	0.53	mg/Kg dry		57.5			13.2	35	
<b>MRL Check (B208982-MRL1)</b>					Prepared: 07/30/18 Analyzed: 07/31/18					
Lead	0.535	0.49	mg/Kg wet	0.494		108	80-120			
<b>Matrix Spike (B208982-MS1)</b>					<b>Source: 18G0961-04</b> Prepared: 07/30/18 Analyzed: 07/31/18					
Lead	78.7	0.52	mg/Kg dry	17.3	57.5	122	75-125			

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**QUALITY CONTROL**

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B208782 - % Solids</b>										
<b>Duplicate (B208782-DUP6)</b>	<b>Source: 18G0961-05</b>			Prepared: 07/26/18 Analyzed: 07/27/18						
% Solids	89.4		% Wt		89.9			0.572	20	
<b>Duplicate (B208782-DUP7)</b>	<b>Source: 18G0961-14</b>			Prepared: 07/26/18 Analyzed: 07/27/18						
% Solids	91.8		% Wt		91.3			0.450	20	
<b>Duplicate (B208782-DUP8)</b>	<b>Source: 18G0961-20</b>			Prepared: 07/26/18 Analyzed: 07/27/18						
% Solids	93.5		% Wt		93.1			0.396	20	

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-S-6 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G0961-01 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.4	
	2	0.000	-0.030	0.030	2.6	8.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-R-7 (1.5-2.5)**

Lab Sample ID: 18G0961-07 Date(s) Analyzed: 07/30/2018 07/30/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.23	
	2	0.000	-0.030	0.030	0.23	4.3
Aroclor-1268	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.23	9.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-R-7 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G0961-08 Date(s) Analyzed: 07/30/2018 07/30/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.14	
	2	0.000	-0.030	0.030	0.16	13.3



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-R-6 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G0961-10 Date(s) Analyzed: 07/30/2018 07/30/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.097	
	2	0.000	-0.030	0.030	0.11	12.6

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-R-6 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G0961-11 Date(s) Analyzed: 07/30/2018 07/30/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.10	
	2	0.000	-0.030	0.030	0.10	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-R-6 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G0961-12 Date(s) Analyzed: 07/30/2018 07/30/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.12	
	2	0.000	-0.030	0.030	0.13	8.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS

*SW-846 8082A*

Lab Sample ID:                   B208906-BS1                                        Date(s) Analyzed:           07/30/2018                     07/30/2018          

Instrument ID (1):                   ECD 9                                        Instrument ID (2):                   ECD 9                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.18	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.19	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

<b>LCS Dup</b>
----------------

Lab Sample ID: B208906-BSD1 Date(s) Analyzed: 07/30/2018 07/30/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.19	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.20	5.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike**

*SW-846 8082A*

Lab Sample ID:                   B208906-MS1                                        Date(s) Analyzed:           07/31/2018                     07/31/2018          

Instrument ID (1):                   ECD 9                                        Instrument ID (2):                   ECD 9                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.26	
	2	0.000	-0.030	0.030	0.43	49.3
Aroclor-1260	1	0.000	-0.030	0.030	0.65	
	2	0.000	-0.030	0.030	0.80	20.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**Matrix Spike Dup**

Lab Sample ID:                   B208906-MSD1                                        Date(s) Analyzed:           07/31/2018                     07/31/2018          

Instrument ID (1):                   ECD 9                                        Instrument ID (2):                   ECD 9                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.25	
	2	0.000	-0.030	0.030	0.41	48.5
Aroclor-1260	1	0.000	-0.030	0.030	0.63	
	2	0.000	-0.030	0.030	0.78	19.7

---

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**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
O-32	A dilution was performed as part of the standard analytical procedure.
S-24	Surrogate recovery is biased high due to the presence of Aroclor 1268 in the sample. Aroclor 1268 contains decachlorobiphenyl.



**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<b>SW-846 6010D in Soil</b>	
Lead	CT,NH,NY,AIHA,ME,VA,NC
<b>SW-846 8082A in Soil</b>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019



18009001

Phone: 413-525-2332

Fax: 413-525-6405

Email: info@contestlabs.com



**Company Name:** [Redacted]  
**Address:** [Redacted]  
**Phone:** [Redacted]  
**Fax:** [Redacted]  
**Project Location:** [Redacted]  
**Project Number:** [Redacted]  
**Project Manager:** [Redacted]  
**Con-Test Quote Name/Number:** [Redacted]  
**Invoice Recipient:** [Redacted]  
**Sampled By:** [Redacted]

Con-Test Work Order	Client Sample ID / Description	Priority	Analysis Requested	Matrix Code	Preservation Code	Container Code	# of Containers
08	B-R-7 (2.5-3.5)	7/23	GC/MS (Soxhlet)	GW	I	1	1
09	B-R-7 (3.5-5.5)	"	GC/MS (Soxhlet)	GW	I	1	1
10	B-R-7 (5.5-7.5)	"	GC/MS (Soxhlet)	GW	I	1	1
11	B-R-7 (7.5-9.5)	"	GC/MS (Soxhlet)	GW	I	1	1
12	B-R-6 (0-0.5)	"	GC/MS (Soxhlet)	GW	I	1	1
13	B-R-6 (0.5-1.5)	"	GC/MS (Soxhlet)	GW	I	1	1
14	B-R-6 (1.5-2.5)	"	GC/MS (Soxhlet)	GW	I	1	1
15	B-R-6 (2.5-3.5)	"	GC/MS (Soxhlet)	GW	I	1	1
16	B-R-6 (3.5-5.5)	"	GC/MS (Soxhlet)	GW	I	1	1
17	B-R-6 (5.5-7.5)	"	GC/MS (Soxhlet)	GW	I	1	1

**Requested Turnaround Time:** 7-Day  10-Day   
**Due Date:** [Redacted]  
**Analysis Requested:** [Redacted]  
**Matrix Code:** [Redacted]  
**Preservation Code:** [Redacted]  
**Container Code:** [Redacted]  
**# of Containers:** [Redacted]

**Special Requirements:** [Redacted]  
**MA MCP Required:**   
**MCP Certification Form Required:**   
**CT RCP Required:**   
**RCP Certification Form Required:**   
**MA State DMW Required:**   
**PJWSH #:** [Redacted]

**Project Entry:**  
 Government  Municipality  MMRA  WRTA  Other  
 Federal  21 J  School  Chromatogram  
 City  Brownfield  MBTA  AIHA-LAP, LLC

**1 Matrix Codes:**  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

**2 Preservation Codes:**  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 Y = Sodium Thiosulfate  
 O = Other (please define)

**3 Container Codes:**  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

**PCB ONLY:**  
 Soxhlet  
 Non Soxhlet

**Comments:** Samples w/ no checked analyses are to be held

**Requisitioned by:** [Signature] Date/Time: 7/20  
**Received by:** [Signature] Date/Time: 7/24/16 16:15  
**Requisitioned by:** [Signature] Date/Time: 7/24/18 20:00  
**Received by:** [Signature] Date/Time: 7/24/18 20:00  
**Requisitioned by:** [Signature] Date/Time: 7/24/18 20:00  
**Received by:** [Signature] Date/Time: 7/24/18 20:00



**Requested Turnaround Time:**  
 7-Day  10-Day

**Due Date:**

**Analysis Requested:**  
 1-Day  3-Day   
 2-Day  4-Day

**Data Delivered:**  
 Format:  PDF  EXCEL   
 Other:

CLP like Data Pkg Required:

Email To:

Fax To #:

Con-Test Work Order #	Client Sample ID / Description	Requesting Party	Priority	Sample Date	Matrix Code	Analysis Requested	Matrix Code
B-S-3 (3.5-5.5)	7/23	1504	S	L			
B-S-3 (2.5-3.5)	1	1503	S	L			
B-S-3 (1.5-2.5)	1	1502	S	L			
B-S-3 (0.5-1.5)	1	1501	S	L			
B-S-3 (0-0.5)	1	1500	S	L			
B-S-3 (5.5-7.5)		14958	S	L			
B-S-4 (0-0.5)		1496	S	L			
B-S-4 (0.5-1.5)		1447	S	L			
B-S-4 (1.5-2.5)		1448	S	L			
B-S-4 (2.5-3.5)			S	L			

Comments: Samples w/ no analyses checked to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

**Relinquished by:** (signature) **Date/Time:** 7/24/18

**Received by:** (signature) **Date/Time:** 7/24/18 16:15

**Relinquished by:** (signature) **Date/Time:** 7/24/18 2:02

**Received by:** (signature) **Date/Time:** 7/24/18 2:00

**Relinquished by:** (signature) **Date/Time:** 7/24/18 2:00

**Received by:** (signature) **Date/Time:** 7/24/18 2:00

**Project Entry:**  
 Government  Municipality  MMRA  Chromatogram  
 Federal  21 J  School  WRTA  AIHA-LAP, LLC  
 City  Brownfield  MBTA

**Special Requirements:**  
 MA MCP Required  MA State DW Request  
 MCP Certification Form Required  MA State DW Request  
 CT RCP Required  MA State DW Request  
 RCP Certification Form Required  MA State DW Request

**Project Entry:** (PWS#) #





**con-test**  
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False**

Client Westin & Sampson

Received By RLF Date 7/24/18 Time 2:00

How were the samples received? In Cooler T No Cooler        On Ice T No Ice         
 Direct from Sampling        Ambient        Melted Ice       

Were samples within Temperature? 2-6°C T By Gun # 8 Actual Temp - 2.5, 3.6 °C  
 By Blank #        Actual Temp -       

Was Custody Seal Intact? NA Were Samples Tampered with? NA  
 Was COC Relinquished? T Does Chain Agree With Samples?       

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T  
 Did COC include all pertinent Information? Client T Analysis T Sampler Name T  
 Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified?         
 Are there Rushes? F Who was notified?         
 Are there Short Holds? F Who was notified?       

Is there enough Volume? T

Is there Headspace where applicable? NA MS/MSD? F  
 Proper Media/Containers Used? T Is splitting samples required? F  
 Were trip blanks received? F On COC? F

Do all samples have the proper pH?        Acid NA Base NA

Vials	#	Containers	U	P	F	
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Mech-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-		Other Plastic		Other Glass		Encore
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:
Sulfuric-		Perchlorate		Ziplock		

**Unused Media**

Vials	#	Containers	U	P	F	
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Mech-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-		Other Plastic		Other Glass		Encore
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:
Sulfuric-		Perchlorate		Ziplock		

**Comments:**

~~missing samples see attached email RLF~~  
 samples received 7/25/18

## MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Con-Test Analytical Laboratory	Project #: 18G0961
Project Location: Conway Park., Somerville, MA	RTN:

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]  
18G0961-01 thru 18G0961-20

Matrices: Soil

**CAM Protocol (check all that below)**

8260 VOC CAM II A ( )	7470/7471 Hg CAM III B ( )	MassDEP VPH CAM IV A ( )	8082 PCB CAM V A (X)	9014 Total Cyanide/PAC CAM VI A ( )	6860 Perchlorate CAM VIII B ( )
8270 SVOC CAM II B ( )	7010 Metals CAM III C ( )	MassDEP VPH CAM IV C ( )	8081 Pesticides CAM V B ( )	7196 Hex Cr CAM VI B ( )	MassDEP APH CAM IX A ( )
6010 Metals CAM III A (X)	6020 Metals CAM III D ( )	MassDEP EPH CAM IV A ( )	8151 Herbicides CAM V C ( )	8330 Explosives CAM VIII A ( )	TO-15 VOC CAM IX B ( )

**Affirmative response to Questions A through F is required for "Presumptive Certainty" status**

<b>A</b>	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>B</b>	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>C</b>	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>D</b>	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>E a</b>	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	<input type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>E b</b>	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	<input type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>F</b>	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all No responses to Questions A through E)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>

**A response to questions G, H and I below is required for "Presumptive Certainty" status**

<b>G</b>	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
----------	---	--

**Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.**

<b>H</b>	Were all QC performance standards specified in the CAM protocol(s) achieved?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>
<b>I</b>	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>

<sup>1</sup>All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

**I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.**

Signature: Lisa Worthington Position: Project Manager  
Printed Name: Lisa A. Worthington Date: 07/31/18

July 31, 2018

Taylor Smith  
Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960

Project Location: Conway Park., Somerville, MA  
Client Job Number:  
Project Number: [none]  
Laboratory Work Order Number: 18G0962

Enclosed are results of analyses for samples received by the laboratory on July 24, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Meghan E. Kelley". The signature is written in a cursive style with a large, sweeping flourish at the end.

Meghan E. Kelley  
Project Manager

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Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 7/31/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G0962

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-S-5 (0-0.5)	18G0962-01	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-S-5 (0.5-1.5)	18G0962-02	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-S-5 (1.5-2.5)	18G0962-03	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-S-5 (2.5-3.5)	18G0962-04	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-R-5 (0-0.5)	18G0962-05	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-R-5 (0.5-1.5)	18G0962-06	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-R-5 (1.5-2.5)	18G0962-07	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-R-5 (2.5-3.5)	18G0962-08	Soil		SM 2540G SW-846 6010D SW-846 8082A	

**CASE NARRATIVE SUMMARY**

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 6010, only lead was requested and reported.

**SW-846 6010D****Qualifications:****M-10**

The reporting limit verification for the AIHA lead program is outside of control limits for this element. Any reported result at or near the detection limit may be biased on the high side.

**Analyte & Samples(s) Qualified:****Lead**

18G0962-01[B-S-5 (0-0.5)], 18G0962-02[B-S-5 (0.5-1.5)], 18G0962-03[B-S-5 (1.5-2.5)], 18G0962-04[B-S-5 (2.5-3.5)], 18G0962-05[B-R-5 (0-0.5)], 18G0962-06[B-R-5 (0.5-1.5)], 18G0962-07[B-R-5 (1.5-2.5)], 18G0962-08[B-R-5 (2.5-3.5)], B209016-MRL1

**SW-846 8082A****Qualifications:****O-32**

A dilution was performed as part of the standard analytical procedure.

**Analyte & Samples(s) Qualified:**

18G0962-01[B-S-5 (0-0.5)], 18G0962-03[B-S-5 (1.5-2.5)], 18G0962-04[B-S-5 (2.5-3.5)], 18G0962-05[B-R-5 (0-0.5)], 18G0962-06[B-R-5 (0.5-1.5)], 18G0962-07[B-R-5 (1.5-2.5)], 18G0962-08[B-R-5 (2.5-3.5)]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington  
Project Manager

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0962

Date Received: 7/24/2018

Field Sample #: B-S-5 (0-0.5)

Sampled: 7/23/2018 14:15

Sample ID: 18G0962-01

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 10:41	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 10:41	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 10:41	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 10:41	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 10:41	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 10:41	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 10:41	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 10:41	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 10:41	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		95.4	30-150					7/27/18 10:41	
Decachlorobiphenyl [2]		97.1	30-150					7/27/18 10:41	
Tetrachloro-m-xylene [1]		89.7	30-150					7/27/18 10:41	
Tetrachloro-m-xylene [2]		94.3	30-150					7/27/18 10:41	

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0962

Date Received: 7/24/2018

Field Sample #: B-S-5 (0-0.5)

Sampled: 7/23/2018 14:15

Sample ID: 18G0962-01

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	14	0.71	mg/Kg dry	1	M-10	SW-846 6010D	7/30/18	7/31/18 13:52	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0962

Date Received: 7/24/2018

Field Sample #: B-S-5 (0-0.5)

Sampled: 7/23/2018 14:15

Sample ID: 18G0962-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	71.0		% Wt	1		SM 2540G	7/26/18	7/27/18 18:03	JFC

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0962

Date Received: 7/24/2018

Field Sample #: B-S-5 (0.5-1.5)

Sampled: 7/23/2018 14:16

Sample ID: 18G0962-02

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [2]	0.14	0.091	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 10:59	TG
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 10:59	TG
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 10:59	TG
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 10:59	TG
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 10:59	TG
Aroclor-1254 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 10:59	TG
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 10:59	TG
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 10:59	TG
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 10:59	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.9	30-150					7/27/18 10:59	
Decachlorobiphenyl [2]		87.0	30-150					7/27/18 10:59	
Tetrachloro-m-xylene [1]		79.3	30-150					7/27/18 10:59	
Tetrachloro-m-xylene [2]		82.9	30-150					7/27/18 10:59	

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0962

Date Received: 7/24/2018

Field Sample #: B-S-5 (0.5-1.5)

Sampled: 7/23/2018 14:16

Sample ID: 18G0962-02

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	5.2	0.57	mg/Kg dry	1	M-10	SW-846 6010D	7/30/18	7/31/18 13:56	QNW

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0962

Date Received: 7/24/2018

Field Sample #: B-S-5 (0.5-1.5)

Sampled: 7/23/2018 14:16

Sample ID: 18G0962-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.5		% Wt	1		SM 2540G	7/26/18	7/27/18 18:04	JFC



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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0962

Date Received: 7/24/2018

Field Sample #: B-S-5 (1.5-2.5)

Sampled: 7/23/2018 14:17

Sample ID: 18G0962-03

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 11:17	TG
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 11:17	TG
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 11:17	TG
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 11:17	TG
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 11:17	TG
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 11:17	TG
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 11:17	TG
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 11:17	TG
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 11:17	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		98.4	30-150					7/27/18 11:17	
Decachlorobiphenyl [2]		101	30-150					7/27/18 11:17	
Tetrachloro-m-xylene [1]		80.9	30-150					7/27/18 11:17	
Tetrachloro-m-xylene [2]		85.4	30-150					7/27/18 11:17	

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0962

Date Received: 7/24/2018

Field Sample #: B-S-5 (1.5-2.5)

Sampled: 7/23/2018 14:17

Sample ID: 18G0962-03

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	15	0.53	mg/Kg dry	1	M-10	SW-846 6010D	7/30/18	7/31/18 14:01	QNW

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0962

Date Received: 7/24/2018

Field Sample #: B-S-5 (1.5-2.5)

Sampled: 7/23/2018 14:17

Sample ID: 18G0962-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.8		% Wt	1		SM 2540G	7/26/18	7/27/18 18:04	JFC

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0962

Date Received: 7/24/2018

Field Sample #: B-S-5 (2.5-3.5)

Sampled: 7/23/2018 14:18

Sample ID: 18G0962-04

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 11:35	TG
Aroclor-1221 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 11:35	TG
Aroclor-1232 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 11:35	TG
Aroclor-1242 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 11:35	TG
Aroclor-1248 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 11:35	TG
Aroclor-1254 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 11:35	TG
Aroclor-1260 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 11:35	TG
Aroclor-1262 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 11:35	TG
Aroclor-1268 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 11:35	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		95.4	30-150					7/27/18 11:35	
Decachlorobiphenyl [2]		99.9	30-150					7/27/18 11:35	
Tetrachloro-m-xylene [1]		73.5	30-150					7/27/18 11:35	
Tetrachloro-m-xylene [2]		77.9	30-150					7/27/18 11:35	

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0962

Date Received: 7/24/2018

Field Sample #: B-S-5 (2.5-3.5)

Sampled: 7/23/2018 14:18

Sample ID: 18G0962-04

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	11	0.58	mg/Kg dry	1	M-10	SW-846 6010D	7/30/18	7/31/18 14:06	QNW

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0962

Date Received: 7/24/2018

Field Sample #: B-S-5 (2.5-3.5)

Sampled: 7/23/2018 14:18

Sample ID: 18G0962-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.8		% Wt	1		SM 2540G	7/26/18	7/27/18 18:04	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0962

Date Received: 7/24/2018

Field Sample #: B-R-5 (0-0.5)

Sampled: 7/23/2018 14:00

Sample ID: 18G0962-05

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 11:53	TG
Aroclor-1221 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 11:53	TG
Aroclor-1232 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 11:53	TG
Aroclor-1242 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 11:53	TG
Aroclor-1248 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 11:53	TG
Aroclor-1254 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 11:53	TG
Aroclor-1260 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 11:53	TG
Aroclor-1262 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 11:53	TG
Aroclor-1268 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 11:53	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		71.6	30-150					7/27/18 11:53	
Decachlorobiphenyl [2]		73.3	30-150					7/27/18 11:53	
Tetrachloro-m-xylene [1]		79.9	30-150					7/27/18 11:53	
Tetrachloro-m-xylene [2]		81.7	30-150					7/27/18 11:53	

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0962

Date Received: 7/24/2018

Field Sample #: B-R-5 (0-0.5)

Sampled: 7/23/2018 14:00

Sample ID: 18G0962-05

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	8.7	0.62	mg/Kg dry	1	M-10	SW-846 6010D	7/30/18	7/31/18 14:12	QNW



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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0962

Date Received: 7/24/2018

Field Sample #: B-R-5 (0-0.5)

Sampled: 7/23/2018 14:00

Sample ID: 18G0962-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.1		% Wt	1		SM 2540G	7/26/18	7/27/18 18:04	JFC

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0962

Date Received: 7/24/2018

Field Sample #: B-R-5 (0.5-1.5)

Sampled: 7/23/2018 14:01

Sample ID: 18G0962-06

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 12:11	TG
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 12:11	TG
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 12:11	TG
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 12:11	TG
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 12:11	TG
Aroclor-1254 [2]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 12:11	TG
Aroclor-1260 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 12:11	TG
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 12:11	TG
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 12:11	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		80.5	30-150					7/27/18 12:11	
Decachlorobiphenyl [2]		82.6	30-150					7/27/18 12:11	
Tetrachloro-m-xylene [1]		85.8	30-150					7/27/18 12:11	
Tetrachloro-m-xylene [2]		92.4	30-150					7/27/18 12:11	

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0962

Date Received: 7/24/2018

Field Sample #: B-R-5 (0.5-1.5)

Sampled: 7/23/2018 14:01

Sample ID: 18G0962-06

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	110	0.53	mg/Kg dry	1	M-10	SW-846 6010D	7/30/18	7/31/18 14:17	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0962

Date Received: 7/24/2018

Field Sample #: B-R-5 (0.5-1.5)

Sampled: 7/23/2018 14:01

Sample ID: 18G0962-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.7		% Wt	1		SM 2540G	7/26/18	7/27/18 18:05	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0962

Date Received: 7/24/2018

Field Sample #: B-R-5 (1.5-2.5)

Sampled: 7/23/2018 14:02

Sample ID: 18G0962-07

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 12:29	TG
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 12:29	TG
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 12:29	TG
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 12:29	TG
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 12:29	TG
Aroclor-1254 [2]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 12:29	TG
Aroclor-1260 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 12:29	TG
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 12:29	TG
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 12:29	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		79.4	30-150					7/27/18 12:29	
Decachlorobiphenyl [2]		83.2	30-150					7/27/18 12:29	
Tetrachloro-m-xylene [1]		85.1	30-150					7/27/18 12:29	
Tetrachloro-m-xylene [2]		92.0	30-150					7/27/18 12:29	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0962

Date Received: 7/24/2018

Field Sample #: B-R-5 (1.5-2.5)

Sampled: 7/23/2018 14:02

Sample ID: 18G0962-07

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	94	0.55	mg/Kg dry	1	M-10	SW-846 6010D	7/30/18	7/31/18 15:01	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0962

Date Received: 7/24/2018

Field Sample #: B-R-5 (1.5-2.5)

Sampled: 7/23/2018 14:02

Sample ID: 18G0962-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.8		% Wt	1		SM 2540G	7/26/18	7/27/18 18:05	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0962

Date Received: 7/24/2018

Field Sample #: B-R-5 (2.5-3.5)

Sampled: 7/23/2018 14:03

Sample ID: 18G0962-08

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 12:47	TG
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 12:47	TG
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 12:47	TG
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 12:47	TG
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 12:47	TG
Aroclor-1254 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 12:47	TG
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 12:47	TG
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 12:47	TG
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/25/18	7/27/18 12:47	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		79.8	30-150					7/27/18 12:47	
Decachlorobiphenyl [2]		83.8	30-150					7/27/18 12:47	
Tetrachloro-m-xylene [1]		76.3	30-150					7/27/18 12:47	
Tetrachloro-m-xylene [2]		84.5	30-150					7/27/18 12:47	



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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0962

Date Received: 7/24/2018

Field Sample #: B-R-5 (2.5-3.5)

Sampled: 7/23/2018 14:03

Sample ID: 18G0962-08

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	150	0.55	mg/Kg dry	1	M-10	SW-846 6010D	7/30/18	7/31/18 15:05	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0962

Date Received: 7/24/2018

Field Sample #: B-R-5 (2.5-3.5)

Sampled: 7/23/2018 14:03

Sample ID: 18G0962-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.2		% Wt	1		SM 2540G	7/26/18	7/27/18 18:05	JFC

**Sample Extraction Data**

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18G0962-01 [B-S-5 (0-0.5)]	B208782	07/26/18
18G0962-02 [B-S-5 (0.5-1.5)]	B208782	07/26/18
18G0962-03 [B-S-5 (1.5-2.5)]	B208782	07/26/18
18G0962-04 [B-S-5 (2.5-3.5)]	B208782	07/26/18
18G0962-05 [B-R-5 (0-0.5)]	B208782	07/26/18
18G0962-06 [B-R-5 (0.5-1.5)]	B208782	07/26/18
18G0962-07 [B-R-5 (1.5-2.5)]	B208782	07/26/18
18G0962-08 [B-R-5 (2.5-3.5)]	B208782	07/26/18

**Prep Method: SW-846 3050B-SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G0962-01 [B-S-5 (0-0.5)]	B209016	1.48	50.0	07/30/18
18G0962-02 [B-S-5 (0.5-1.5)]	B209016	1.51	50.0	07/30/18
18G0962-03 [B-S-5 (1.5-2.5)]	B209016	1.57	50.0	07/30/18
18G0962-04 [B-S-5 (2.5-3.5)]	B209016	1.54	50.0	07/30/18
18G0962-05 [B-R-5 (0-0.5)]	B209016	1.49	50.0	07/30/18
18G0962-06 [B-R-5 (0.5-1.5)]	B209016	1.56	50.0	07/30/18
18G0962-07 [B-R-5 (1.5-2.5)]	B209016	1.51	50.0	07/30/18
18G0962-08 [B-R-5 (2.5-3.5)]	B209016	1.56	50.0	07/30/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G0962-01 [B-S-5 (0-0.5)]	B208688	10.3	10.0	07/25/18
18G0962-02 [B-S-5 (0.5-1.5)]	B208688	10.0	10.0	07/25/18
18G0962-03 [B-S-5 (1.5-2.5)]	B208688	10.0	10.0	07/25/18
18G0962-04 [B-S-5 (2.5-3.5)]	B208688	10.1	10.0	07/25/18
18G0962-05 [B-R-5 (0-0.5)]	B208688	10.4	10.0	07/25/18
18G0962-06 [B-R-5 (0.5-1.5)]	B208688	10.1	10.0	07/25/18
18G0962-07 [B-R-5 (1.5-2.5)]	B208688	10.2	10.0	07/25/18
18G0962-08 [B-R-5 (2.5-3.5)]	B208688	10.0	10.0	07/25/18

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B208688 - SW-846 3540C**

**Blank (B208688-BLK1)**

Prepared: 07/25/18 Analyzed: 07/26/18

Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.208		mg/Kg wet	0.200		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.207		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene	0.170		mg/Kg wet	0.200		85.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.150		mg/Kg wet	0.200		75.0	30-150			

**LCS (B208688-BS1)**

Prepared: 07/25/18 Analyzed: 07/26/18

Aroclor-1016	0.20	0.020	mg/Kg wet	0.200		97.7	40-140			
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		88.3	40-140			
Aroclor-1260	0.19	0.020	mg/Kg wet	0.200		95.4	40-140			
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		97.0	40-140			
Surrogate: Decachlorobiphenyl	0.223		mg/Kg wet	0.200		111	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.222		mg/Kg wet	0.200		111	30-150			
Surrogate: Tetrachloro-m-xylene	0.180		mg/Kg wet	0.200		89.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.159		mg/Kg wet	0.200		79.4	30-150			

**LCS Dup (B208688-BSD1)**

Prepared: 07/25/18 Analyzed: 07/26/18

Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		92.8	40-140	5.15	30	
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		83.8	40-140	5.28	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		87.5	40-140	8.66	30	
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.200		89.4	40-140	8.14	30	
Surrogate: Decachlorobiphenyl	0.198		mg/Kg wet	0.200		99.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.197		mg/Kg wet	0.200		98.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.172		mg/Kg wet	0.200		86.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.153		mg/Kg wet	0.200		76.7	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B208688 - SW-846 3540C**

**Matrix Spike (B208688-MS1)**

**Source: 18G0962-01**

Prepared: 07/25/18 Analyzed: 07/27/18

Aroclor-1016	0.26	0.11	mg/Kg dry	0.273	ND	94.9	40-140			
Aroclor-1016 [2C]	0.28	0.11	mg/Kg dry	0.273	ND	103	40-140			
Aroclor-1260	0.24	0.11	mg/Kg dry	0.273	ND	88.5	40-140			
Aroclor-1260 [2C]	0.26	0.11	mg/Kg dry	0.273	ND	95.3	40-140			
Surrogate: Decachlorobiphenyl	0.227		mg/Kg dry	0.273		83.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.235		mg/Kg dry	0.273		86.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.203		mg/Kg dry	0.273		74.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.224		mg/Kg dry	0.273		82.0	30-150			

**Matrix Spike Dup (B208688-MSD1)**

**Source: 18G0962-01**

Prepared: 07/25/18 Analyzed: 07/27/18

Aroclor-1016	0.27	0.11	mg/Kg dry	0.276	ND	96.9	40-140	3.10	50	
Aroclor-1016 [2C]	0.29	0.11	mg/Kg dry	0.276	ND	105	40-140	3.01	50	
Aroclor-1260	0.25	0.11	mg/Kg dry	0.276	ND	92.1	40-140	4.98	50	
Aroclor-1260 [2C]	0.27	0.11	mg/Kg dry	0.276	ND	98.7	40-140	4.45	50	
Surrogate: Decachlorobiphenyl	0.240		mg/Kg dry	0.276		87.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.249		mg/Kg dry	0.276		90.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.224		mg/Kg dry	0.276		81.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.247		mg/Kg dry	0.276		89.5	30-150			

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**QUALITY CONTROL**

**Metals Analyses (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209016 - SW-846 3050B</b>										
<b>Blank (B209016-BLK1)</b>					Prepared: 07/30/18 Analyzed: 07/31/18					
Lead	ND	0.50	mg/Kg wet							
<b>LCS (B209016-BS1)</b>					Prepared: 07/30/18 Analyzed: 07/31/18					
Lead	105	1.5	mg/Kg wet	111		94.9	83-117.1			
<b>LCS Dup (B209016-BSD1)</b>					Prepared: 07/30/18 Analyzed: 07/31/18					
Lead	102	1.5	mg/Kg wet	111		92.3	83-117.1	2.76	30	
<b>MRL Check (B209016-MRL1)</b>					Prepared: 07/30/18 Analyzed: 07/31/18					
Lead	0.691	0.50	mg/Kg wet	0.504		137 *	80-120			M-10

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-S-5 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G0962-02 Date(s) Analyzed: 07/27/2018 07/27/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.11	
	2	0.000	-0.030	0.030	0.14	24.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

LCS
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Lab Sample ID:                   B208688-BS1                                        Date(s) Analyzed:           07/26/2018                     07/26/2018          

Instrument ID (1):                   ECD5                                        Instrument ID (2):                   ECD5                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.18	10.5
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.19	0.0



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

<b>LCS Dup</b>
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Lab Sample ID:                   B208688-BSD1                                        Date(s) Analyzed:           07/26/2018                     07/26/2018          

Instrument ID (1):                   ECD5                                        Instrument ID (2):                   ECD5                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.17	11.1
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.18	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike**

*SW-846 8082A*

Lab Sample ID:                   B208688-MS1                                        Date(s) Analyzed:           07/27/2018                     07/27/2018          

Instrument ID (1):                   ECD1                                        Instrument ID (2):                   ECD1                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.26	
	2	0.000	-0.030	0.030	0.28	7.4
Aroclor-1260	1	0.000	-0.030	0.030	0.24	
	2	0.000	-0.030	0.030	0.26	8.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike Dup**

*SW-846 8082A*

Lab Sample ID:                   B208688-MSD1                                        Date(s) Analyzed:           07/27/2018                     07/27/2018          

Instrument ID (1):                   ECD1                                        Instrument ID (2):                   ECD1                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.27	
	2	0.000	-0.030	0.030	0.29	7.1
Aroclor-1260	1	0.000	-0.030	0.030	0.25	
	2	0.000	-0.030	0.030	0.27	7.7

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**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
M-10	The reporting limit verification for the AIHA lead program is outside of control limits for this element. Any reported result at or near the detection limit may be biased on the high side.
O-32	A dilution was performed as part of the standard analytical procedure.

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<b>SW-846 6010D in Soil</b>	
Lead	CT,NH,NY,AIHA,ME,VA,NC
<b>SW-846 8082A in Soil</b>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019



180099002

Phone: 413-525-2332

Fax: 413-525-6405

Email: info@contestlabs.com



**Company Name:** \_\_\_\_\_  
**Address:** \_\_\_\_\_  
**Phone:** \_\_\_\_\_  
**Project Name:** CON-14  
**Project Location:** \_\_\_\_\_  
**Project Number:** \_\_\_\_\_  
**Project Manager:** \_\_\_\_\_  
**Con-Test Quote Name/Number:** \_\_\_\_\_  
**Invoice Recipient:** \_\_\_\_\_  
**Sampled By:** \_\_\_\_\_

**Requested Turnaround Time:**  7-Day  10-Day   
**Due Date:** \_\_\_\_\_

**Fast Approval Required:**  1-Day  3-Day   
 2-Day  4-Day   
**Data Delivery:**  PDF  EXCEL  Other: \_\_\_\_\_  
**CLP Like Data Pkg Required:**   
**Email To:** \_\_\_\_\_  
**Fax To #:** \_\_\_\_\_

Con-Test Work Order #	Client Sample ID / Description	Sample Date/Time	Composited	Matrix Code	Conc Code
07	B-R-5 (1.5-2.5)	7/23	✓	S	L
08	B-R-5 (2.5-3.5)	"	✓	S	L
09	B-R-5 (3.5-5.5)	"	✓	S	L
10	B-R-5 (5.5-7.5)	"	✓	S	L
11	B-Q-9 (0-0.5)	9:30	✓	S	L
12	B-Q-9 (0.5-1.5)	9:31	✓	S	L
	B-Q-9 (1.5-2.5)	9:32	✓	S	L
	B-Q-9 (2.5-3.5)	9:33	✓	S	L
	B-Q-9 (3.5-5.5)	9:34	✓	S	L
	B-Q-9 (5.5-7.5)	9:35	✓	S	L

**Comments:** Samples w/ no analyses checked to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
**H - High; M - Medium; L - Low; C - Clean; U - Unknown**

**Relinquished by: (signature)** \_\_\_\_\_ **Date/Time:** \_\_\_\_\_

**Received by: (signature)** \_\_\_\_\_ **Date/Time:** 7/24/18 16:15

**Relinquished by: (signature)** \_\_\_\_\_ **Date/Time:** 7/24/18

**Received by: (signature)** \_\_\_\_\_ **Date/Time:** 7/24/18 20:00

**Relinquished by: (signature)** \_\_\_\_\_ **Date/Time:** \_\_\_\_\_

**Received by: (signature)** \_\_\_\_\_ **Date/Time:** \_\_\_\_\_

**Project Entity:**  Government  Federal  City  Municipality  21 J  Brownfield  MWRA  School  MBTA  WRTA  Other  Chromatogram  AIHA-LAP, LLC

**Special Requirements:**  
 MA RCP Required  
 RCP Certification Form Required  
 C.I. RCP Required  
 RCP Certification Form Required  
 MA State FW Required  
 PWSH # \_\_\_\_\_

**Detection Limit Requirements:**  
 MA RCP Required  
 RCP Certification Form Required  
 C.I. RCP Required  
 RCP Certification Form Required  
 MA State FW Required  
 PWSH # \_\_\_\_\_

**Container Codes:**  
**A** = Amber Glass  
**G** = Glass  
**P** = Plastic  
**ST** = Sterile  
**V** = Vial  
**S** = Summa Canister  
**T** = Tedlar Bag  
**O** = Other (please define) \_\_\_\_\_

**Matrix Codes:**  
**GW** = Ground Water  
**WW** = Waste Water  
**DW** = Drinking Water  
**A** = Air  
**S** = Soil  
**SL** = Sludge  
**SOL** = Solid  
**O** = Other (please define) \_\_\_\_\_

**Preservation Codes:**  
**I** = Iced  
**H** = HCL  
**M** = Methanol  
**N** = Nitric Acid  
**S** = Sulfuric Acid  
**B** = Sodium Bisulfate  
**X** = Sodium Hydroxide  
**T** = Sodium Thiosulfate  
**O** = Other (please define) \_\_\_\_\_

**Dispositional Codes:**  
 Field Filtered  
 Lab to Filter

**Dispositional Codes:**  
 Field Filtered  
 Lab to Filter

**1 Matrix Codes:**  
**GW** = Ground Water  
**WW** = Waste Water  
**DW** = Drinking Water  
**A** = Air  
**S** = Soil  
**SL** = Sludge  
**SOL** = Solid  
**O** = Other (please define) \_\_\_\_\_

**2 Preservation Codes:**  
**I** = Iced  
**H** = HCL  
**M** = Methanol  
**N** = Nitric Acid  
**S** = Sulfuric Acid  
**B** = Sodium Bisulfate  
**X** = Sodium Hydroxide  
**T** = Sodium Thiosulfate  
**O** = Other (please define) \_\_\_\_\_

**3 Container Codes:**  
**A** = Amber Glass  
**G** = Glass  
**P** = Plastic  
**ST** = Sterile  
**V** = Vial  
**S** = Summa Canister  
**T** = Tedlar Bag  
**O** = Other (please define) \_\_\_\_\_

**PCB ONLY**  
 Soxhlet  
 Non Soxhlet









**CON-TEST**  
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False**

Client Weston & Sampson  
 Received By RLF Date 7/24/18 Time 2000  
 How were the samples received? In Cooler T No Cooler \_\_\_\_\_ On Ice T No Ice \_\_\_\_\_  
 Direct from Sampling \_\_\_\_\_ Ambient \_\_\_\_\_ Melted Ice \_\_\_\_\_  
 Were samples within Temperature? 2-6°C T By Gun # 8 Actual Temp - 2.5, 3.6 °C  
 By Blank # \_\_\_\_\_ Actual Temp - \_\_\_\_\_  
 Was Custody Seal Intact? NA Were Samples Tampered with? NA  
 Was COC Relinquished? T Does Chain Agree With Samples? \_\_\_\_\_  
 Are there broken/leaking/loose caps on any samples? F  
 Is COC in ink/ Legible? T Were samples received within holding time? T  
 Did COC include all pertinent Information? Client T Analysis T Sampler Name T  
 Project T ID's T Collection Dates/Times T  
 Are Sample labels filled out and legible? T  
 Are there Lab to Filters? F Who was notified? \_\_\_\_\_  
 Are there Rushes? F Who was notified? \_\_\_\_\_  
 Are there Short Holds? F Who was notified? \_\_\_\_\_  
 Is there enough Volume? T  
 Is there Headspace where applicable? NA MS/MSD? F  
 Proper Media/Containers Used? T Is splitting samples required? F  
 Were trip blanks received? F On COC? F  
 Do all samples have the proper pH? \_\_\_\_\_ Acid NA Base NA

Vials	#	Containers	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

**Unused Media**

Vials	#	Containers	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

**Comments:**

MISSING samples see attached email RLF

## MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Con-Test Analytical Laboratory	Project #: 18G0962
Project Location: Conway Park., Somerville, MA	RTN:

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]  
18G0962-01 thru 18G0962-08

Matrices: Soil

**CAM Protocol (check all that below)**

8260 VOC CAM II A ( )	7470/7471 Hg CAM III B ( )	MassDEP VPH CAM IV A ( )	8082 PCB CAM V A (X)	9014 Total Cyanide/PAC CAM VI A ( )	6860 Perchlorate CAM VIII B ( )
8270 SVOC CAM II B ( )	7010 Metals CAM III C ( )	MassDEP VPH CAM IV C ( )	8081 Pesticides CAM V B ( )	7196 Hex Cr CAM VI B ( )	MassDEP APH CAM IX A ( )
6010 Metals CAM III A (X)	6020 Metals CAM III D ( )	MassDEP EPH CAM IV A ( )	8151 Herbicides CAM V C ( )	8330 Explosives CAM VIII A ( )	TO-15 VOC CAM IX B ( )

**Affirmative response to Questions A through F is required for "Presumptive Certainty" status**

<b>A</b>	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>B</b>	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>C</b>	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>D</b>	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>E a</b>	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	<input type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>E b</b>	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	<input type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>F</b>	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all No responses to Questions A through E)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>

**A response to questions G, H and I below is required for "Presumptive Certainty" status**

<b>G</b>	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
----------	---	--

**Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.**

<b>H</b>	Were all QC performance standards specified in the CAM protocol(s) achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>I</b>	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>

<sup>1</sup>All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

**I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.**

Signature: Lisa Worthington Position: Project Manager  
Printed Name: Lisa A. Worthington Date: 07/31/18

July 31, 2018

Taylor Smith  
Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960

Project Location: Conway Park., Somerville, MA  
Client Job Number:  
Project Number: [none]  
Laboratory Work Order Number: 18G0963

Enclosed are results of analyses for samples received by the laboratory on July 24, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, reading "Meghan E. Kelley". The signature is written in a cursive style with a large, sweeping flourish at the end.

Meghan E. Kelley  
Project Manager

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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 7/31/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G0963

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-R-3 (0-0.5)	18G0963-06	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-R-3 (0.5-1.5)	18G0963-07	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-R-3 (1.5-2.5)	18G0963-08	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-R-3 (2.5-3.5)	18G0963-09	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-R-4 (0-0.5)	18G0963-10	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-R-4 (0.5-1.5)	18G0963-11	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-R-4 (1.5-2.5)	18G0963-12	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-R-4 (2.5-3.5)	18G0963-13	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-O-1 (0-0.5)	18G0963-14	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-O-1 (0.5-1.5)	18G0963-15	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-O-1 (1.5-2.5)	18G0963-16	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-O-1 (2.5-3.5)	18G0963-17	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-C-1 (0-0.5)	18G0963-18	Soil		SM 2540G SW-846 6010D SW-846 8082A	

**CASE NARRATIVE SUMMARY**

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 6010, only Pb was requested and reported.

**SW-846 6010D****Qualifications:****MS-07**

Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated.

**Analyte & Samples(s) Qualified:****Lead**

18G0963-07[B-R-3 (0.5-1.5)], B208990-MS1

**SW-846 8082A****Qualifications:****O-32**

A dilution was performed as part of the standard analytical procedure.

**Analyte & Samples(s) Qualified:**

18G0963-06[B-R-3 (0-0.5)], 18G0963-07[B-R-3 (0.5-1.5)], 18G0963-08[B-R-3 (1.5-2.5)], 18G0963-09[B-R-3 (2.5-3.5)], 18G0963-10[B-R-4 (0-0.5)], 18G0963-11[B-R-4 (0.5-1.5)], 18G0963-12[B-R-4 (1.5-2.5)], 18G0963-13[B-R-4 (2.5-3.5)], 18G0963-16[B-O-1 (1.5-2.5)]

**S-01**

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**Analyte & Samples(s) Qualified:****Decachlorobiphenyl**

18G0963-18[B-C-1 (0-0.5)]

**Decachlorobiphenyl [2C]**

18G0963-18[B-C-1 (0-0.5)]

**Tetrachloro-m-xylene**

18G0963-18[B-C-1 (0-0.5)]

**Tetrachloro-m-xylene [2C]**

18G0963-18[B-C-1 (0-0.5)]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington  
Project Manager

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0963

Date Received: 7/24/2018

Field Sample #: B-R-3 (0-0.5)

Sampled: 7/23/2018 15:15

Sample ID: 18G0963-06

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:31	KAL
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:31	KAL
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:31	KAL
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:31	KAL
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:31	KAL
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:31	KAL
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:31	KAL
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:31	KAL
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:31	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		91.6	30-150					7/30/18 19:31	
Decachlorobiphenyl [2]		99.3	30-150					7/30/18 19:31	
Tetrachloro-m-xylene [1]		87.6	30-150					7/30/18 19:31	
Tetrachloro-m-xylene [2]		101	30-150					7/30/18 19:31	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0963

Date Received: 7/24/2018

Field Sample #: B-R-3 (0-0.5)

Sampled: 7/23/2018 15:15

Sample ID: 18G0963-06

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	43	0.54	mg/Kg dry	1		SW-846 6010D	7/30/18	7/30/18 19:30	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0963

Date Received: 7/24/2018

Field Sample #: B-R-3 (0-0.5)

Sampled: 7/23/2018 15:15

Sample ID: 18G0963-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.7		% Wt	1		SM 2540G	7/26/18	7/27/18 18:05	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0963

Date Received: 7/24/2018

Field Sample #: B-R-3 (0.5-1.5)

Sampled: 7/23/2018 15:16

Sample ID: 18G0963-07

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:48	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:48	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:48	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:48	KAL
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:48	KAL
Aroclor-1254 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:48	KAL
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:48	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:48	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 19:48	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		103	30-150					7/30/18 19:48	
Decachlorobiphenyl [2]		126	30-150					7/30/18 19:48	
Tetrachloro-m-xylene [1]		78.2	30-150					7/30/18 19:48	
Tetrachloro-m-xylene [2]		86.0	30-150					7/30/18 19:48	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0963

Date Received: 7/24/2018

Field Sample #: B-R-3 (0.5-1.5)

Sampled: 7/23/2018 15:16

Sample ID: 18G0963-07

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	43	0.53	mg/Kg dry	1	MS-07	SW-846 6010D	7/30/18	7/30/18 19:25	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0963

Date Received: 7/24/2018

Field Sample #: B-R-3 (0.5-1.5)

Sampled: 7/23/2018 15:16

Sample ID: 18G0963-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.4		% Wt	1		SM 2540G	7/26/18	7/27/18 18:05	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0963

Date Received: 7/24/2018

Field Sample #: B-R-3 (1.5-2.5)

Sampled: 7/23/2018 15:17

Sample ID: 18G0963-08

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:06	KAL
Aroclor-1221 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:06	KAL
Aroclor-1232 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:06	KAL
Aroclor-1242 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:06	KAL
Aroclor-1248 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:06	KAL
Aroclor-1254 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:06	KAL
Aroclor-1260 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:06	KAL
Aroclor-1262 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:06	KAL
Aroclor-1268 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:06	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		92.0	30-150					7/30/18 20:06	
Decachlorobiphenyl [2]		97.7	30-150					7/30/18 20:06	
Tetrachloro-m-xylene [1]		86.2	30-150					7/30/18 20:06	
Tetrachloro-m-xylene [2]		100	30-150					7/30/18 20:06	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0963

Date Received: 7/24/2018

Field Sample #: B-R-3 (1.5-2.5)

Sampled: 7/23/2018 15:17

Sample ID: 18G0963-08

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	53	0.52	mg/Kg dry	1		SW-846 6010D	7/30/18	7/30/18 19:36	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0963

Date Received: 7/24/2018

Field Sample #: B-R-3 (1.5-2.5)

Sampled: 7/23/2018 15:17

Sample ID: 18G0963-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.6		% Wt	1		SM 2540G	7/26/18	7/27/18 18:05	JFC



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0963

Date Received: 7/24/2018

Field Sample #: B-R-3 (2.5-3.5)

Sampled: 7/23/2018 15:18

Sample ID: 18G0963-09

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:23	KAL
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:23	KAL
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:23	KAL
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:23	KAL
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:23	KAL
Aroclor-1254 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:23	KAL
Aroclor-1260 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:23	KAL
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:23	KAL
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:23	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		85.1	30-150					7/30/18 20:23	
Decachlorobiphenyl [2]		96.2	30-150					7/30/18 20:23	
Tetrachloro-m-xylene [1]		79.0	30-150					7/30/18 20:23	
Tetrachloro-m-xylene [2]		86.2	30-150					7/30/18 20:23	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0963

Date Received: 7/24/2018

Field Sample #: B-R-3 (2.5-3.5)

Sampled: 7/23/2018 15:18

Sample ID: 18G0963-09

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	41	0.51	mg/Kg dry	1		SW-846 6010D	7/30/18	7/30/18 19:42	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0963

Date Received: 7/24/2018

Field Sample #: B-R-3 (2.5-3.5)

Sampled: 7/23/2018 15:18

Sample ID: 18G0963-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.8		% Wt	1		SM 2540G	7/26/18	7/27/18 18:05	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0963

Date Received: 7/24/2018

Field Sample #: B-R-4 (0-0.5)

Sampled: 7/23/2018 15:30

Sample ID: 18G0963-10

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.15	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:40	KAL
Aroclor-1221 [1]	ND	0.15	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:40	KAL
Aroclor-1232 [1]	ND	0.15	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:40	KAL
Aroclor-1242 [1]	ND	0.15	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:40	KAL
Aroclor-1248 [1]	ND	0.15	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:40	KAL
Aroclor-1254 [1]	ND	0.15	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:40	KAL
Aroclor-1260 [1]	ND	0.15	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:40	KAL
Aroclor-1262 [1]	ND	0.15	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:40	KAL
Aroclor-1268 [1]	ND	0.15	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:40	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		86.5	30-150					7/30/18 20:40	
Decachlorobiphenyl [2]		94.5	30-150					7/30/18 20:40	
Tetrachloro-m-xylene [1]		82.9	30-150					7/30/18 20:40	
Tetrachloro-m-xylene [2]		94.3	30-150					7/30/18 20:40	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0963

Date Received: 7/24/2018

Field Sample #: B-R-4 (0-0.5)

Sampled: 7/23/2018 15:30

Sample ID: 18G0963-10

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	77	0.98	mg/Kg dry	1		SW-846 6010D	7/30/18	7/30/18 19:47	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0963

Date Received: 7/24/2018

Field Sample #: B-R-4 (0-0.5)

Sampled: 7/23/2018 15:30

Sample ID: 18G0963-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	51.5		% Wt	1		SM 2540G	7/26/18	7/27/18 18:05	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0963

Date Received: 7/24/2018

Field Sample #: B-R-4 (0.5-1.5)

Sampled: 7/23/2018 15:31

Sample ID: 18G0963-11

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:57	KAL
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:57	KAL
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:57	KAL
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:57	KAL
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:57	KAL
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:57	KAL
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:57	KAL
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:57	KAL
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 20:57	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		92.0	30-150					7/30/18 20:57	
Decachlorobiphenyl [2]		99.8	30-150					7/30/18 20:57	
Tetrachloro-m-xylene [1]		86.5	30-150					7/30/18 20:57	
Tetrachloro-m-xylene [2]		97.1	30-150					7/30/18 20:57	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0963

Date Received: 7/24/2018

Field Sample #: B-R-4 (0.5-1.5)

Sampled: 7/23/2018 15:31

Sample ID: 18G0963-11

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	130	0.56	mg/Kg dry	1		SW-846 6010D	7/30/18	7/30/18 19:53	MJH



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0963

Date Received: 7/24/2018

Field Sample #: B-R-4 (0.5-1.5)

Sampled: 7/23/2018 15:31

Sample ID: 18G0963-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.9		% Wt	1		SM 2540G	7/26/18	7/27/18 18:06	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0963

Date Received: 7/24/2018

Field Sample #: B-R-4 (1.5-2.5)

Sampled: 7/23/2018 15:32

Sample ID: 18G0963-12

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 21:15	KAL
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 21:15	KAL
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 21:15	KAL
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 21:15	KAL
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 21:15	KAL
Aroclor-1254 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 21:15	KAL
Aroclor-1260 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 21:15	KAL
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 21:15	KAL
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 21:15	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		85.5	30-150					7/30/18 21:15	
Decachlorobiphenyl [2]		92.4	30-150					7/30/18 21:15	
Tetrachloro-m-xylene [1]		82.6	30-150					7/30/18 21:15	
Tetrachloro-m-xylene [2]		95.2	30-150					7/30/18 21:15	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0963

Date Received: 7/24/2018

Field Sample #: B-R-4 (1.5-2.5)

Sampled: 7/23/2018 15:32

Sample ID: 18G0963-12

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	100	0.53	mg/Kg dry	1		SW-846 6010D	7/30/18	7/30/18 20:10	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0963

Date Received: 7/24/2018

Field Sample #: B-R-4 (1.5-2.5)

Sampled: 7/23/2018 15:32

Sample ID: 18G0963-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.6		% Wt	1		SM 2540G	7/26/18	7/27/18 18:06	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0963

Date Received: 7/24/2018

Field Sample #: B-R-4 (2.5-3.5)

Sampled: 7/23/2018 15:33

Sample ID: 18G0963-13

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 21:32	KAL
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 21:32	KAL
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 21:32	KAL
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 21:32	KAL
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 21:32	KAL
Aroclor-1254 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 21:32	KAL
Aroclor-1260 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 21:32	KAL
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 21:32	KAL
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 21:32	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		87.3	30-150					7/30/18 21:32	
Decachlorobiphenyl [2]		93.9	30-150					7/30/18 21:32	
Tetrachloro-m-xylene [1]		84.2	30-150					7/30/18 21:32	
Tetrachloro-m-xylene [2]		97.9	30-150					7/30/18 21:32	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0963

Date Received: 7/24/2018

Field Sample #: B-R-4 (2.5-3.5)

Sampled: 7/23/2018 15:33

Sample ID: 18G0963-13

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	45	0.55	mg/Kg dry	1		SW-846 6010D	7/30/18	7/30/18 20:15	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0963

Date Received: 7/24/2018

Field Sample #: B-R-4 (2.5-3.5)

Sampled: 7/23/2018 15:33

Sample ID: 18G0963-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.3		% Wt	1		SM 2540G	7/26/18	7/27/18 18:06	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0963

Date Received: 7/24/2018

Field Sample #: B-O-1 (0-0.5)

Sampled: 7/24/2018 09:00

Sample ID: 18G0963-14

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 21:49	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 21:49	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 21:49	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 21:49	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 21:49	KAL
Aroclor-1254 [2]	0.20	0.11	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 21:49	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 21:49	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 21:49	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 21:49	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		89.7	30-150					7/30/18 21:49	
Decachlorobiphenyl [2]		136	30-150					7/30/18 21:49	
Tetrachloro-m-xylene [1]		85.1	30-150					7/30/18 21:49	
Tetrachloro-m-xylene [2]		100	30-150					7/30/18 21:49	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0963

Date Received: 7/24/2018

Field Sample #: B-O-1 (0-0.5)

Sampled: 7/24/2018 09:00

Sample ID: 18G0963-14

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	54	0.72	mg/Kg dry	1		SW-846 6010D	7/30/18	7/30/18 20:21	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0963

Date Received: 7/24/2018

Field Sample #: B-O-1 (0-0.5)

Sampled: 7/24/2018 09:00

Sample ID: 18G0963-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	69.8		% Wt	1		SM 2540G	7/26/18	7/27/18 18:06	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0963

Date Received: 7/24/2018

Field Sample #: B-O-1 (0.5-1.5)

Sampled: 7/24/2018 09:01

Sample ID: 18G0963-15

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:00	KAL
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:00	KAL
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:00	KAL
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:00	KAL
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:00	KAL
Aroclor-1254 [2]	0.27	0.087	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:00	KAL
Aroclor-1260 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:00	KAL
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:00	KAL
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:00	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		92.1	30-150					7/30/18 23:00	
Decachlorobiphenyl [2]		101	30-150					7/30/18 23:00	
Tetrachloro-m-xylene [1]		84.3	30-150					7/30/18 23:00	
Tetrachloro-m-xylene [2]		99.6	30-150					7/30/18 23:00	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0963

Date Received: 7/24/2018

Field Sample #: B-O-1 (0.5-1.5)

Sampled: 7/24/2018 09:01

Sample ID: 18G0963-15

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	30	0.56	mg/Kg dry	1		SW-846 6010D	7/30/18	7/30/18 20:26	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0963

Date Received: 7/24/2018

Field Sample #: B-O-1 (0.5-1.5)

Sampled: 7/24/2018 09:01

Sample ID: 18G0963-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.4		% Wt	1		SM 2540G	7/26/18	7/27/18 18:06	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0963

Date Received: 7/24/2018

Field Sample #: B-O-1 (1.5-2.5)

Sampled: 7/24/2018 09:02

Sample ID: 18G0963-16

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:18	KAL
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:18	KAL
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:18	KAL
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:18	KAL
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:18	KAL
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:18	KAL
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:18	KAL
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:18	KAL
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:18	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		92.5	30-150					7/30/18 23:18	
Decachlorobiphenyl [2]		99.6	30-150					7/30/18 23:18	
Tetrachloro-m-xylene [1]		82.0	30-150					7/30/18 23:18	
Tetrachloro-m-xylene [2]		97.0	30-150					7/30/18 23:18	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0963

Date Received: 7/24/2018

Field Sample #: B-O-1 (1.5-2.5)

Sampled: 7/24/2018 09:02

Sample ID: 18G0963-16

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	11	0.53	mg/Kg dry	1		SW-846 6010D	7/30/18	7/30/18 20:32	MJH

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0963

Date Received: 7/24/2018

Field Sample #: B-O-1 (1.5-2.5)

Sampled: 7/24/2018 09:02

Sample ID: 18G0963-16

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.8		% Wt	1		SM 2540G	7/26/18	7/27/18 18:07	JFC



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0963

Date Received: 7/24/2018

Field Sample #: B-O-1 (2.5-3.5)

Sampled: 7/24/2018 09:03

Sample ID: 18G0963-17

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:35	KAL
Aroclor-1221 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:35	KAL
Aroclor-1232 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:35	KAL
Aroclor-1242 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:35	KAL
Aroclor-1248 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:35	KAL
Aroclor-1254 [2]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:35	KAL
Aroclor-1260 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:35	KAL
Aroclor-1262 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:35	KAL
Aroclor-1268 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/27/18	7/30/18 23:35	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.9	30-150					7/30/18 23:35	
Decachlorobiphenyl [2]		91.1	30-150					7/30/18 23:35	
Tetrachloro-m-xylene [1]		75.4	30-150					7/30/18 23:35	
Tetrachloro-m-xylene [2]		89.2	30-150					7/30/18 23:35	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0963

Date Received: 7/24/2018

Field Sample #: B-O-1 (2.5-3.5)

Sampled: 7/24/2018 09:03

Sample ID: 18G0963-17

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	19	0.54	mg/Kg dry	1		SW-846 6010D	7/30/18	7/30/18 20:38	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0963

Date Received: 7/24/2018

Field Sample #: B-O-1 (2.5-3.5)

Sampled: 7/24/2018 09:03

Sample ID: 18G0963-17

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.4		% Wt	1		SM 2540G	7/26/18	7/27/18 18:07	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0963

Date Received: 7/24/2018

Field Sample #: B-C-1 (0-0.5)

Sampled: 7/24/2018 09:15

Sample ID: 18G0963-18

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	7/27/18	7/31/18 5:31	KAL
Aroclor-1221 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	7/27/18	7/31/18 5:31	KAL
Aroclor-1232 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	7/27/18	7/31/18 5:31	KAL
Aroclor-1242 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	7/27/18	7/31/18 5:31	KAL
Aroclor-1248 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	7/27/18	7/31/18 5:31	KAL
Aroclor-1254 [2]	6.6	0.89	mg/Kg dry	40		SW-846 8082A	7/27/18	7/31/18 5:31	KAL
Aroclor-1260 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	7/27/18	7/31/18 5:31	KAL
Aroclor-1262 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	7/27/18	7/31/18 5:31	KAL
Aroclor-1268 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	7/27/18	7/31/18 5:31	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			7/31/18 5:31	
Decachlorobiphenyl [2]		*	30-150		S-01			7/31/18 5:31	
Tetrachloro-m-xylene [1]		*	30-150		S-01			7/31/18 5:31	
Tetrachloro-m-xylene [2]		*	30-150		S-01			7/31/18 5:31	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0963

Date Received: 7/24/2018

Field Sample #: B-C-1 (0-0.5)

Sampled: 7/24/2018 09:15

Sample ID: 18G0963-18

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	170	0.57	mg/Kg dry	1		SW-846 6010D	7/30/18	7/30/18 20:43	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0963

Date Received: 7/24/2018

Field Sample #: B-C-1 (0-0.5)

Sampled: 7/24/2018 09:15

Sample ID: 18G0963-18

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.7		% Wt	1		SM 2540G	7/26/18	7/27/18 18:07	JFC

**Sample Extraction Data**

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18G0963-06 [B-R-3 (0-0.5)]	B208782	07/26/18
18G0963-07 [B-R-3 (0.5-1.5)]	B208782	07/26/18
18G0963-08 [B-R-3 (1.5-2.5)]	B208782	07/26/18
18G0963-09 [B-R-3 (2.5-3.5)]	B208782	07/26/18
18G0963-10 [B-R-4 (0-0.5)]	B208782	07/26/18
18G0963-11 [B-R-4 (0.5-1.5)]	B208782	07/26/18
18G0963-12 [B-R-4 (1.5-2.5)]	B208782	07/26/18
18G0963-13 [B-R-4 (2.5-3.5)]	B208782	07/26/18
18G0963-14 [B-O-1 (0-0.5)]	B208782	07/26/18
18G0963-15 [B-O-1 (0.5-1.5)]	B208782	07/26/18
18G0963-16 [B-O-1 (1.5-2.5)]	B208782	07/26/18
18G0963-17 [B-O-1 (2.5-3.5)]	B208782	07/26/18
18G0963-18 [B-C-1 (0-0.5)]	B208782	07/26/18

**Prep Method: SW-846 3051-SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G0963-06 [B-R-3 (0-0.5)]	B208990	1.48	50.0	07/30/18
18G0963-07 [B-R-3 (0.5-1.5)]	B208990	1.51	50.0	07/30/18
18G0963-08 [B-R-3 (1.5-2.5)]	B208990	1.54	50.0	07/30/18
18G0963-09 [B-R-3 (2.5-3.5)]	B208990	1.53	50.0	07/30/18
18G0963-10 [B-R-4 (0-0.5)]	B208990	1.48	50.0	07/30/18
18G0963-11 [B-R-4 (0.5-1.5)]	B208990	1.46	50.0	07/30/18
18G0963-12 [B-R-4 (1.5-2.5)]	B208990	1.51	50.0	07/30/18
18G0963-13 [B-R-4 (2.5-3.5)]	B208990	1.51	50.0	07/30/18
18G0963-14 [B-O-1 (0-0.5)]	B208990	1.49	50.0	07/30/18
18G0963-15 [B-O-1 (0.5-1.5)]	B208990	1.51	50.0	07/30/18
18G0963-16 [B-O-1 (1.5-2.5)]	B208990	1.50	50.0	07/30/18
18G0963-17 [B-O-1 (2.5-3.5)]	B208990	1.53	50.0	07/30/18
18G0963-18 [B-C-1 (0-0.5)]	B208990	1.49	50.0	07/30/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G0963-06 [B-R-3 (0-0.5)]	B208911	10.0	10.0	07/27/18
18G0963-07 [B-R-3 (0.5-1.5)]	B208911	10.2	10.0	07/27/18
18G0963-08 [B-R-3 (1.5-2.5)]	B208911	10.3	10.0	07/27/18
18G0963-09 [B-R-3 (2.5-3.5)]	B208911	10.2	10.0	07/27/18
18G0963-10 [B-R-4 (0-0.5)]	B208911	10.4	10.0	07/27/18
18G0963-11 [B-R-4 (0.5-1.5)]	B208911	10.2	10.0	07/27/18
18G0963-12 [B-R-4 (1.5-2.5)]	B208911	10.3	10.0	07/27/18
18G0963-13 [B-R-4 (2.5-3.5)]	B208911	10.7	10.0	07/27/18
18G0963-14 [B-O-1 (0-0.5)]	B208911	10.2	10.0	07/27/18
18G0963-15 [B-O-1 (0.5-1.5)]	B208911	10.3	10.0	07/27/18
18G0963-16 [B-O-1 (1.5-2.5)]	B208911	10.0	10.0	07/27/18
18G0963-17 [B-O-1 (2.5-3.5)]	B208911	10.5	10.0	07/27/18
18G0963-18 [B-C-1 (0-0.5)]	B208911	10.3	10.0	07/27/18

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B208911 - SW-846 3540C</b>										
<b>Blank (B208911-BLK1)</b>										
Prepared: 07/27/18 Analyzed: 07/30/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.189		mg/Kg wet	0.200		94.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.206		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene	0.184		mg/Kg wet	0.200		91.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.211		mg/Kg wet	0.200		106	30-150			
<b>LCS (B208911-BS1)</b>										
Prepared: 07/27/18 Analyzed: 07/30/18										
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		94.0	40-140			
Aroclor-1016 [2C]	0.21	0.020	mg/Kg wet	0.200		106	40-140			
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		87.0	40-140			
Aroclor-1260 [2C]	0.21	0.020	mg/Kg wet	0.200		105	40-140			
Surrogate: Decachlorobiphenyl	0.196		mg/Kg wet	0.200		98.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.214		mg/Kg wet	0.200		107	30-150			
Surrogate: Tetrachloro-m-xylene	0.191		mg/Kg wet	0.200		95.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.219		mg/Kg wet	0.200		110	30-150			
<b>LCS Dup (B208911-BSD1)</b>										
Prepared: 07/27/18 Analyzed: 07/30/18										
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		91.7	40-140	2.45	30	
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		102	40-140	4.08	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		85.0	40-140	2.32	30	
Aroclor-1260 [2C]	0.21	0.020	mg/Kg wet	0.200		103	40-140	1.78	30	
Surrogate: Decachlorobiphenyl	0.192		mg/Kg wet	0.200		96.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.211		mg/Kg wet	0.200		106	30-150			
Surrogate: Tetrachloro-m-xylene	0.178		mg/Kg wet	0.200		88.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.205		mg/Kg wet	0.200		103	30-150			



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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B208911 - SW-846 3540C**

**Matrix Spike (B208911-MS1)**

**Source: 18G0963-06**

Prepared: 07/27/18 Analyzed: 07/31/18

Aroclor-1016	0.22	0.085	mg/Kg dry	0.211	ND	106	40-140			
Aroclor-1016 [2C]	0.23	0.085	mg/Kg dry	0.211	ND	110	40-140			
Aroclor-1260	0.19	0.085	mg/Kg dry	0.211	ND	92.0	40-140			
Aroclor-1260 [2C]	0.24	0.085	mg/Kg dry	0.211	ND	113	40-140			
Surrogate: Decachlorobiphenyl	0.213		mg/Kg dry	0.211		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.231		mg/Kg dry	0.211		109	30-150			
Surrogate: Tetrachloro-m-xylene	0.201		mg/Kg dry	0.211		94.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.232		mg/Kg dry	0.211		110	30-150			

**Matrix Spike Dup (B208911-MSD1)**

**Source: 18G0963-06**

Prepared: 07/27/18 Analyzed: 07/31/18

Aroclor-1016	0.21	0.082	mg/Kg dry	0.205	ND	104	40-140	5.18	50	
Aroclor-1016 [2C]	0.21	0.082	mg/Kg dry	0.205	ND	105	40-140	7.56	50	
Aroclor-1260	0.18	0.082	mg/Kg dry	0.205	ND	88.6	40-140	6.68	50	
Aroclor-1260 [2C]	0.22	0.082	mg/Kg dry	0.205	ND	109	40-140	6.74	50	
Surrogate: Decachlorobiphenyl	0.199		mg/Kg dry	0.205		96.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.215		mg/Kg dry	0.205		105	30-150			
Surrogate: Tetrachloro-m-xylene	0.187		mg/Kg dry	0.205		91.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.217		mg/Kg dry	0.205		106	30-150			

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**QUALITY CONTROL**

**Metals Analyses (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B208990 - SW-846 3051</b>										
<b>Blank (B208990-BLK1)</b>										
										Prepared & Analyzed: 07/30/18
Lead	ND	0.50	mg/Kg wet							
<b>LCS (B208990-BS1)</b>										
										Prepared & Analyzed: 07/30/18
Lead	101	1.5	mg/Kg wet	111		91.2	83-117.1			
<b>LCS Dup (B208990-BSD1)</b>										
										Prepared & Analyzed: 07/30/18
Lead	102	1.5	mg/Kg wet	111		92.2	83-117.1	1.01	30	
<b>Duplicate (B208990-DUP1)</b>										
										Source: 18G0963-07 Prepared & Analyzed: 07/30/18
Lead	40.2	0.53	mg/Kg dry		42.9			6.52	35	
<b>MRL Check (B208990-MRL1)</b>										
										Prepared & Analyzed: 07/30/18
Lead	0.466	0.50	mg/Kg wet	0.505		92.4	80-120			
<b>Matrix Spike (B208990-MS1)</b>										
										Source: 18G0963-07 Prepared & Analyzed: 07/30/18
Lead	54.3	0.53	mg/Kg dry	17.7	42.9	64.1	* 75-125			MS-07

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**QUALITY CONTROL**

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B208782 - % Solids**

**Duplicate (B208782-DUP9)**

**Source: 18G0963-13**

Prepared: 07/26/18 Analyzed: 07/27/18

% Solids	89.6		% Wt		91.3			1.89	20	
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**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-O-1 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G0963-14 Date(s) Analyzed: 07/30/2018 07/30/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.20	22.2

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-O-1 (0.5-1.5)**

Lab Sample ID: 18G0963-15 Date(s) Analyzed: 07/30/2018 07/30/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.27	29.8

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-1 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G0963-18 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	5.5	
	2	0.000	-0.030	0.030	6.6	18.2

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

<b>LCS</b>
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*SW-846 8082A*

Lab Sample ID:                     B208911-BS1                                          Date(s) Analyzed:           07/30/2018                     07/30/2018          

Instrument ID (1):                     ECD10                                          Instrument ID (2):                     ECD10                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.21	10.0
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.21	21.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

*SW-846 8082A*

Lab Sample ID:                   B208911-BSD1                                        Date(s) Analyzed:           07/30/2018                     07/30/2018          

Instrument ID (1):                   ECD10                                        Instrument ID (2):                   ECD10                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.20	10.5
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.21	21.1



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike**

*SW-846 8082A*

Lab Sample ID:                   B208911-MS1                                        Date(s) Analyzed:           07/31/2018                     07/31/2018          

Instrument ID (1):                   ECD10                                        Instrument ID (2):                   ECD10                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.22	
	2	0.000	-0.030	0.030	0.23	4.4
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.24	23.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike Dup**

*SW-846 8082A*

Lab Sample ID:                   B208911-MSD1                                        Date(s) Analyzed:           07/31/2018                     07/31/2018          

Instrument ID (1):                   ECD10                                        Instrument ID (2):                   ECD10                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.21	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.22	20.0

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**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
MS-07	Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated.
O-32	A dilution was performed as part of the standard analytical procedure.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<b>SW-846 6010D in Soil</b>	
Lead	CT,NH,NY,AIHA,ME,VA,NC
<b>SW-846 8082A in Soil</b>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

186-0903

Phone: 413-525-2332  
Fax: 413-525-6405

Email: info@contestlabs.com



Company Name: **CONTEST**  
 Address: **CONTEST**  
 Phone: **CONTEST**  
 Project Name: **CONTEST**  
 Project Location: **CONTEST**  
 Project Number: **CONTEST**  
 Project Manager: **CONTEST**  
 Con-Test Quote Name/Number: **CONTEST**  
 Invoice Recipient: **CONTEST**  
 Sampled By: **CONTEST**

Con-Test Work Order #	Client Sample ID / Description	Preparation Date/Time	Sampling Time	Composite	Sub	Matrix Code	Con-Test Code
01	B-Q-11 (2.5-3.5)	7/23	8:48				
	B-Q-11 (3.5-5.5)		8:41				
	B-Q-11 (5.5-7.5)		8:50				
	B-Q-11 (7.5-9.5)		8:51				
02	B-Q-10 (0-0.5)		9:00				
03	B-Q-10 (0.5-1.5)		9:01				
04	B-Q-10 (1.5-2.5)		9:02				
05	B-Q-10 (2.5-3.5)		9:03				
	B-Q-10 (3.5-5.5)		9:04				
	B-Q-10 (5.5-7.5)		9:05				

Requested Turnaround Time:  7-Day  10-Day

Due Date:  1-Day  3-Day  4-Day

Requesting Agency:  10-Day

Requesting Agency:  3-Day  4-Day

Format: PDF  EXCEL

Other:

CLP Like Data Pkg Required:

Email To:

Fax To #:

ANALYSIS REQUESTED

Matrix Codes:  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

Preservation Codes:  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

Container Codes:  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

PCB ONLY  
 Soxhlet  
 Non Soxhlet

Chromatogram  
 Chromatogram  
 AIHA-LAP, LLC

Other  
 WRTA  
 MWRA  
 School  
 MBTA  
 Municipality  
 21 J  
 Brownfield  
 Government  
 Federal  
 City

Project Entity

MA  
 MA MCP Required  
 MCP Certification Form Required  
 CT RCP Required  
 RCP Certification Form Required

Other  
 MA State DW Required

PWSID #

Signature: *[Signature]* Date/Time: 7/24/18  
 Signature: *[Signature]* Date/Time: 7/24/18  
 Signature: *[Signature]* Date/Time: 7/24/18  
 Signature: *[Signature]* Date/Time: 7/24/18  
 Signature: *[Signature]* Date/Time: 7/24/18



All samples w/ no analyses cleared to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown



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East Longmeadow, MA 01028

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CHAIN OF CUSTODY RECORD

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Fax: 413-525-6405  
Email: info@contestlabs.com



Requested Turnaround Time:  
 7-Day  10-Day   
 Due Date: \_\_\_\_\_

Fast Approval Required:  
 1-Day  3-Day   
 2-Day  4-Day

Data Delivery:  
 Format:  PDF  EXCEL   
 Other: \_\_\_\_\_

CLP Like Data Pkg Required:

Email To: \_\_\_\_\_

Fax To #: \_\_\_\_\_

Company Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Project Name: Coating  
 Project Location: \_\_\_\_\_  
 Project Number: \_\_\_\_\_  
 Project Manager: \_\_\_\_\_  
 Con-Test Quote Name/Number: \_\_\_\_\_  
 Invoice Recipient: \_\_\_\_\_  
 Sampled By: \_\_\_\_\_

Con-Test Work Order	Client Sample ID / Description	Sample Date/Time	Analysis Date/Time	Matrix Code	Matrix Label	Conc Code
14	B-14 (3.5-5.5)	7/23	15:34	S		C
15	B-15 (5.5-7.5)	"	15:35			
16	B-16 (7.5-9.5)	"	15:36			
17	B-17 (10.0-12.5)	7/24	9:00			
18	B-18 (12.5-15.0)	"	9:01			
	B-19 (15.0-20.0)	"	9:02			
	B-20 (20.0-25.0)	"	9:03			
	B-21 (25.0-30.0)	"	9:04			
	B-22 (30.0-35.0)	"	9:05			
	B-23 (35.0-40.0)	"	9:05			
	B-24 (40.0-45.0)	"	9:15			

Comments: Samples w/ no analyses checked to be rerun

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/24/18

Received by: (signature) \_\_\_\_\_ Date/Time: 7/24/18

Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/24/18

Received by: (signature) \_\_\_\_\_ Date/Time: 7/24/18

Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/24/18

Received by: (signature) \_\_\_\_\_ Date/Time: 7/24/18

Project Entry:  
 Government  Municipality  MWRA  Other  
 Federal  21 J  School  Chromatogram  
 City  Brownfield  MBTA  AIHA-LAP, LLC





**con-test**  
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False**

Client Wesley K. Sampson

Received By RLF Date 7/24/18 Time 2000

How were the samples received? In Cooler T No Cooler        On Ice T No Ice         
Direct from Sampling        Ambient        Melted Ice       

Were samples within Temperature? 2-6°C T By Gun # 8 Actual Temp - 2.5, 3.6°C  
By Blank #        Actual Temp -       

Was Custody Seal Intact? NA Were Samples Tampered with? NA  
Was COC Relinquished? T Does Chain Agree With Samples?       

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T  
Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F

Are there Rushes? F

Are there Short Holds? F

Is there enough Volume? T

Is there Headspace where applicable? NA

Proper Media/Containers Used? T

Were trip blanks received? F

Do all samples have the proper pH?       

Who was notified?         
Who was notified?         
Who was notified?       

MS/MSD? F

Is splitting samples required? F

On COC? F

Acid NA Base NA

Vials	#	Containers	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	
HCL-		500 mL Amb.		500 mL Plastic	
Meoh-		250 mL Amb.		250 mL Plastic	13
Bisulfate-		Col./Bacteria		Flashpoint	
DI-		Other Plastic		Other Glass	
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

**Unused Media**

Vials	#	Containers	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	
HCL-		500 mL Amb.		500 mL Plastic	
Meoh-		250 mL Amb.		250 mL Plastic	
Bisulfate-		Col./Bacteria		Flashpoint	
DI-		Other Plastic		Other Glass	
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

**Comments:**

missing samples - see attached email (RLF)





August 1, 2018

Taylor Smith  
Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960

Project Location: Conway Park., Somerville, MA  
Client Job Number:  
Project Number: [none]  
Laboratory Work Order Number: 18G0964

Enclosed are results of analyses for samples received by the laboratory on July 24, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, reading "Meghan E. Kelley". The signature is written in a cursive style with a large, sweeping flourish at the end.

Meghan E. Kelley  
Project Manager

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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 8/1/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G0964

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-C-1 (0.5-1.5)	18G0964-01	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-C-1 (1.5-2.5)	18G0964-02	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-C-1 (2.5-3.5)	18G0964-03	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-A-1 (0-0.5)	18G0964-04	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-A-1 (0.5-1.5)	18G0964-05	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-A-1 (1.5-2.5)	18G0964-06	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-A-1 (2.5-3.5)	18G0964-07	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-P-10 (0-0.5)	18G0964-08	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-P-10 (0.5-1.5)	18G0964-09	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-P-10 (1.5-2.5)	18G0964-10	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-P-10 (2.5-3.5)	18G0964-11	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-P-9 (0-0.5)	18G0964-12	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-P-9 (0.5-1.5)	18G0964-13	Soil		SM 2540G SW-846 6010D SW-846 8082A	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 8/1/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G0964

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-P-9 (1.5-2.5)	18G0964-14	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-P-9 (2.5-3.5)	18G0964-15	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-P-8 (0-0.5)	18G0964-16	Soil		SM 2540G SW-846 6010D SW-846 8082A	

## CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082A

**Qualifications:****MS-21**

Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.

**Analyte & Samples(s) Qualified:****Aroclor-1016**

B208801-MS1, B208801-MSD1

**Aroclor-1016 [2C]**

B208801-MS1, B208801-MSD1

**Aroclor-1260**

B208801-MS1, B208801-MSD1

**Aroclor-1260 [2C]**

B208801-MS1, B208801-MSD1

**O-32**

A dilution was performed as part of the standard analytical procedure.

**Analyte & Samples(s) Qualified:**

18G0964-11[B-P-10 (2.5-3.5)], 18G0964-14[B-P-9 (1.5-2.5)], 18G0964-15[B-P-9 (2.5-3.5)]

**S-01**

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**Analyte & Samples(s) Qualified:****Decachlorobiphenyl**

18G0964-03[B-C-1 (2.5-3.5)], 18G0964-04[B-A-1 (0-0.5)], 18G0964-05[B-A-1 (0.5-1.5)], 18G0964-07[B-A-1 (2.5-3.5)], 18G0964-13[B-P-9 (0.5-1.5)]

**Decachlorobiphenyl [2C]**

18G0964-03[B-C-1 (2.5-3.5)], 18G0964-04[B-A-1 (0-0.5)], 18G0964-05[B-A-1 (0.5-1.5)], 18G0964-07[B-A-1 (2.5-3.5)], 18G0964-13[B-P-9 (0.5-1.5)]

**Tetrachloro-m-xylene**

18G0964-03[B-C-1 (2.5-3.5)], 18G0964-04[B-A-1 (0-0.5)], 18G0964-05[B-A-1 (0.5-1.5)], 18G0964-07[B-A-1 (2.5-3.5)], 18G0964-13[B-P-9 (0.5-1.5)]

**Tetrachloro-m-xylene [2C]**

18G0964-03[B-C-1 (2.5-3.5)], 18G0964-04[B-A-1 (0-0.5)], 18G0964-05[B-A-1 (0.5-1.5)], 18G0964-07[B-A-1 (2.5-3.5)], 18G0964-13[B-P-9 (0.5-1.5)]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington  
Project Manager

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-C-1 (0.5-1.5)

Sampled: 7/24/2018 09:16

Sample ID: 18G0964-01

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.40	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 2:21	KAL
Aroclor-1221 [1]	ND	0.40	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 2:21	KAL
Aroclor-1232 [1]	ND	0.40	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 2:21	KAL
Aroclor-1242 [1]	ND	0.40	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 2:21	KAL
Aroclor-1248 [1]	ND	0.40	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 2:21	KAL
Aroclor-1254 [2]	2.8	0.40	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 2:21	KAL
Aroclor-1260 [1]	ND	0.40	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 2:21	KAL
Aroclor-1262 [1]	ND	0.40	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 2:21	KAL
Aroclor-1268 [1]	ND	0.40	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 2:21	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		105	30-150					7/31/18 2:21	
Decachlorobiphenyl [2]		114	30-150					7/31/18 2:21	
Tetrachloro-m-xylene [1]		94.8	30-150					7/31/18 2:21	
Tetrachloro-m-xylene [2]		115	30-150					7/31/18 2:21	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-C-1 (0.5-1.5)

Sampled: 7/24/2018 09:16

Sample ID: 18G0964-01

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	92	0.53	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 16:19	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-C-1 (0.5-1.5)

Sampled: 7/24/2018 09:16

Sample ID: 18G0964-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.8		% Wt	1		SM 2540G	7/26/18	7/27/18 18:07	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-C-1 (1.5-2.5)

Sampled: 7/24/2018 09:17

Sample ID: 18G0964-02

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	7/26/18	7/31/18 2:39	KAL
Aroclor-1221 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	7/26/18	7/31/18 2:39	KAL
Aroclor-1232 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	7/26/18	7/31/18 2:39	KAL
Aroclor-1242 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	7/26/18	7/31/18 2:39	KAL
Aroclor-1248 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	7/26/18	7/31/18 2:39	KAL
Aroclor-1254 [2]	1.2	0.18	mg/Kg dry	8		SW-846 8082A	7/26/18	7/31/18 2:39	KAL
Aroclor-1260 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	7/26/18	7/31/18 2:39	KAL
Aroclor-1262 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	7/26/18	7/31/18 2:39	KAL
Aroclor-1268 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	7/26/18	7/31/18 2:39	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		75.7	30-150					7/31/18 2:39	
Decachlorobiphenyl [2]		88.8	30-150					7/31/18 2:39	
Tetrachloro-m-xylene [1]		69.8	30-150					7/31/18 2:39	
Tetrachloro-m-xylene [2]		78.9	30-150					7/31/18 2:39	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-C-1 (1.5-2.5)

Sampled: 7/24/2018 09:17

Sample ID: 18G0964-02

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	300	0.56	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 16:25	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-C-1 (1.5-2.5)

Sampled: 7/24/2018 09:17

Sample ID: 18G0964-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.3		% Wt	1		SM 2540G	7/26/18	7/27/18 18:07	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-C-1 (2.5-3.5)

Sampled: 7/24/2018 09:18

Sample ID: 18G0964-03

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/26/18	7/31/18 2:56	KAL
Aroclor-1221 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/26/18	7/31/18 2:56	KAL
Aroclor-1232 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/26/18	7/31/18 2:56	KAL
Aroclor-1242 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/26/18	7/31/18 2:56	KAL
Aroclor-1248 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/26/18	7/31/18 2:56	KAL
Aroclor-1254 [2]	9.3	1.8	mg/Kg dry	80		SW-846 8082A	7/26/18	7/31/18 2:56	KAL
Aroclor-1260 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/26/18	7/31/18 2:56	KAL
Aroclor-1262 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/26/18	7/31/18 2:56	KAL
Aroclor-1268 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/26/18	7/31/18 2:56	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			7/31/18 2:56	
Decachlorobiphenyl [2]		*	30-150		S-01			7/31/18 2:56	
Tetrachloro-m-xylene [1]		*	30-150		S-01			7/31/18 2:56	
Tetrachloro-m-xylene [2]		*	30-150		S-01			7/31/18 2:56	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-C-1 (2.5-3.5)

Sampled: 7/24/2018 09:18

Sample ID: 18G0964-03

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	320	0.58	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 16:31	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-C-1 (2.5-3.5)

Sampled: 7/24/2018 09:18

Sample ID: 18G0964-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.0		% Wt	1		SM 2540G	7/26/18	7/27/18 18:07	JFC



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-A-1 (0-0.5)

Sampled: 7/24/2018 09:26

Sample ID: 18G0964-04

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	7/26/18	7/31/18 3:13	KAL
Aroclor-1221 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	7/26/18	7/31/18 3:13	KAL
Aroclor-1232 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	7/26/18	7/31/18 3:13	KAL
Aroclor-1242 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	7/26/18	7/31/18 3:13	KAL
Aroclor-1248 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	7/26/18	7/31/18 3:13	KAL
Aroclor-1254 [2]	6.5	0.89	mg/Kg dry	40		SW-846 8082A	7/26/18	7/31/18 3:13	KAL
Aroclor-1260 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	7/26/18	7/31/18 3:13	KAL
Aroclor-1262 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	7/26/18	7/31/18 3:13	KAL
Aroclor-1268 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	7/26/18	7/31/18 3:13	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			7/31/18 3:13	
Decachlorobiphenyl [2]		*	30-150		S-01			7/31/18 3:13	
Tetrachloro-m-xylene [1]		*	30-150		S-01			7/31/18 3:13	
Tetrachloro-m-xylene [2]		*	30-150		S-01			7/31/18 3:13	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-A-1 (0-0.5)

Sampled: 7/24/2018 09:26

Sample ID: 18G0964-04

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	150	0.57	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 16:13	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-A-1 (0-0.5)

Sampled: 7/24/2018 09:26

Sample ID: 18G0964-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.5		% Wt	1		SM 2540G	7/26/18	7/27/18 18:07	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-A-1 (0.5-1.5)

Sampled: 7/24/2018 09:27

Sample ID: 18G0964-05

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/26/18	7/31/18 3:30	KAL
Aroclor-1221 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/26/18	7/31/18 3:30	KAL
Aroclor-1232 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/26/18	7/31/18 3:30	KAL
Aroclor-1242 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/26/18	7/31/18 3:30	KAL
Aroclor-1248 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/26/18	7/31/18 3:30	KAL
Aroclor-1254 [2]	9.5	1.7	mg/Kg dry	80		SW-846 8082A	7/26/18	7/31/18 3:30	KAL
Aroclor-1260 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/26/18	7/31/18 3:30	KAL
Aroclor-1262 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/26/18	7/31/18 3:30	KAL
Aroclor-1268 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/26/18	7/31/18 3:30	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			7/31/18 3:30	
Decachlorobiphenyl [2]		*	30-150		S-01			7/31/18 3:30	
Tetrachloro-m-xylene [1]		*	30-150		S-01			7/31/18 3:30	
Tetrachloro-m-xylene [2]		*	30-150		S-01			7/31/18 3:30	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-A-1 (0.5-1.5)

Sampled: 7/24/2018 09:27

Sample ID: 18G0964-05

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	130	0.57	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 16:37	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-A-1 (0.5-1.5)

Sampled: 7/24/2018 09:27

Sample ID: 18G0964-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.4		% Wt	1		SM 2540G	7/26/18	7/27/18 18:07	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-A-1 (1.5-2.5)

Sampled: 7/24/2018 09:28

Sample ID: 18G0964-06

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 3:48	KAL
Aroclor-1221 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 3:48	KAL
Aroclor-1232 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 3:48	KAL
Aroclor-1242 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 3:48	KAL
Aroclor-1248 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 3:48	KAL
Aroclor-1254 [2]	3.5	0.43	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 3:48	KAL
Aroclor-1260 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 3:48	KAL
Aroclor-1262 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 3:48	KAL
Aroclor-1268 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 3:48	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		110	30-150					7/31/18 3:48	
Decachlorobiphenyl [2]		121	30-150					7/31/18 3:48	
Tetrachloro-m-xylene [1]		98.6	30-150					7/31/18 3:48	
Tetrachloro-m-xylene [2]		120	30-150					7/31/18 3:48	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-A-1 (1.5-2.5)

Sampled: 7/24/2018 09:28

Sample ID: 18G0964-06

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	150	0.53	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 16:43	QNW



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-A-1 (1.5-2.5)

Sampled: 7/24/2018 09:28

Sample ID: 18G0964-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.9		% Wt	1		SM 2540G	7/26/18	7/27/18 18:08	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-A-1 (2.5-3.5)

Sampled: 7/24/2018 09:29

Sample ID: 18G0964-07

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	7/26/18	7/31/18 4:05	KAL
Aroclor-1221 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	7/26/18	7/31/18 4:05	KAL
Aroclor-1232 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	7/26/18	7/31/18 4:05	KAL
Aroclor-1242 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	7/26/18	7/31/18 4:05	KAL
Aroclor-1248 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	7/26/18	7/31/18 4:05	KAL
Aroclor-1254 [2]	26	4.5	mg/Kg dry	200		SW-846 8082A	7/26/18	7/31/18 4:05	KAL
Aroclor-1260 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	7/26/18	7/31/18 4:05	KAL
Aroclor-1262 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	7/26/18	7/31/18 4:05	KAL
Aroclor-1268 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	7/26/18	7/31/18 4:05	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			7/31/18 4:05	
Decachlorobiphenyl [2]		*	30-150		S-01			7/31/18 4:05	
Tetrachloro-m-xylene [1]		*	30-150		S-01			7/31/18 4:05	
Tetrachloro-m-xylene [2]		*	30-150		S-01			7/31/18 4:05	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-A-1 (2.5-3.5)

Sampled: 7/24/2018 09:29

Sample ID: 18G0964-07

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	260	0.58	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 17:00	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-A-1 (2.5-3.5)

Sampled: 7/24/2018 09:29

Sample ID: 18G0964-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.3		% Wt	1		SM 2540G	7/26/18	7/27/18 18:08	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-P-10 (0-0.5)

Sampled: 7/24/2018 11:00

Sample ID: 18G0964-08

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 13:54	KAL
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 13:54	KAL
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 13:54	KAL
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 13:54	KAL
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 13:54	KAL
Aroclor-1254 [2]	0.39	0.089	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 13:54	KAL
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 13:54	KAL
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 13:54	KAL
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 13:54	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		95.3	30-150					7/30/18 13:54	
Decachlorobiphenyl [2]		102	30-150					7/30/18 13:54	
Tetrachloro-m-xylene [1]		97.9	30-150					7/30/18 13:54	
Tetrachloro-m-xylene [2]		115	30-150					7/30/18 13:54	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-P-10 (0-0.5)

Sampled: 7/24/2018 11:00

Sample ID: 18G0964-08

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	29	0.59	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 17:06	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-P-10 (0-0.5)

Sampled: 7/24/2018 11:00

Sample ID: 18G0964-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.7		% Wt	1		SM 2540G	7/26/18	7/27/18 18:09	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-P-10 (0.5-1.5)

Sampled: 7/24/2018 11:01

Sample ID: 18G0964-09

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 4:22	KAL
Aroclor-1221 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 4:22	KAL
Aroclor-1232 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 4:22	KAL
Aroclor-1242 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 4:22	KAL
Aroclor-1248 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 4:22	KAL
Aroclor-1254 [2]	3.7	0.42	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 4:22	KAL
Aroclor-1260 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 4:22	KAL
Aroclor-1262 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 4:22	KAL
Aroclor-1268 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 4:22	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		108	30-150					7/31/18 4:22	
Decachlorobiphenyl [2]		119	30-150					7/31/18 4:22	
Tetrachloro-m-xylene [1]		93.9	30-150					7/31/18 4:22	
Tetrachloro-m-xylene [2]		117	30-150					7/31/18 4:22	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-P-10 (0.5-1.5)

Sampled: 7/24/2018 11:01

Sample ID: 18G0964-09

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	160	0.54	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 17:12	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-P-10 (0.5-1.5)

Sampled: 7/24/2018 11:01

Sample ID: 18G0964-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.5		% Wt	1		SM 2540G	7/26/18	7/27/18 18:09	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-P-10 (1.5-2.5)

Sampled: 7/24/2018 11:02

Sample ID: 18G0964-10

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 14:28	KAL
Aroclor-1221 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 14:28	KAL
Aroclor-1232 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 14:28	KAL
Aroclor-1242 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 14:28	KAL
Aroclor-1248 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 14:28	KAL
Aroclor-1254 [2]	0.35	0.081	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 14:28	KAL
Aroclor-1260 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 14:28	KAL
Aroclor-1262 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 14:28	KAL
Aroclor-1268 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 14:28	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		95.6	30-150					7/30/18 14:28	
Decachlorobiphenyl [2]		99.8	30-150					7/30/18 14:28	
Tetrachloro-m-xylene [1]		93.8	30-150					7/30/18 14:28	
Tetrachloro-m-xylene [2]		109	30-150					7/30/18 14:28	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-P-10 (1.5-2.5)

Sampled: 7/24/2018 11:02

Sample ID: 18G0964-10

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	32	0.51	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 17:17	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-P-10 (1.5-2.5)

Sampled: 7/24/2018 11:02

Sample ID: 18G0964-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.9		% Wt	1		SM 2540G	7/26/18	7/27/18 18:09	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-P-10 (2.5-3.5)

Sampled: 7/24/2018 11:03

Sample ID: 18G0964-11

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 15:32	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 15:32	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 15:32	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 15:32	KAL
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 15:32	KAL
Aroclor-1254 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 15:32	KAL
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 15:32	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 15:32	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 15:32	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		102	30-150					7/30/18 15:32	
Decachlorobiphenyl [2]		106	30-150					7/30/18 15:32	
Tetrachloro-m-xylene [1]		96.4	30-150					7/30/18 15:32	
Tetrachloro-m-xylene [2]		111	30-150					7/30/18 15:32	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-P-10 (2.5-3.5)

Sampled: 7/24/2018 11:03

Sample ID: 18G0964-11

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	10	0.51	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 17:23	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-P-10 (2.5-3.5)

Sampled: 7/24/2018 11:03

Sample ID: 18G0964-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.7		% Wt	1		SM 2540G	7/26/18	7/27/18 18:09	JFC



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-P-9 (0-0.5)

Sampled: 7/24/2018 11:25

Sample ID: 18G0964-12

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 4:39	KAL
Aroclor-1221 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 4:39	KAL
Aroclor-1232 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 4:39	KAL
Aroclor-1242 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 4:39	KAL
Aroclor-1248 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 4:39	KAL
Aroclor-1254 [2]	3.5	0.41	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 4:39	KAL
Aroclor-1260 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 4:39	KAL
Aroclor-1262 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 4:39	KAL
Aroclor-1268 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 4:39	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		109	30-150					7/31/18 4:39	
Decachlorobiphenyl [2]		119	30-150					7/31/18 4:39	
Tetrachloro-m-xylene [1]		95.3	30-150					7/31/18 4:39	
Tetrachloro-m-xylene [2]		116	30-150					7/31/18 4:39	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-P-9 (0-0.5)

Sampled: 7/24/2018 11:25

Sample ID: 18G0964-12

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	110	0.53	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 17:28	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-P-9 (0-0.5)

Sampled: 7/24/2018 11:25

Sample ID: 18G0964-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.0		% Wt	1		SM 2540G	7/26/18	7/27/18 18:09	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-P-9 (0.5-1.5)

Sampled: 7/24/2018 11:26

Sample ID: 18G0964-13

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.84	mg/Kg dry	40		SW-846 8082A	7/26/18	7/31/18 4:57	KAL
Aroclor-1221 [1]	ND	0.84	mg/Kg dry	40		SW-846 8082A	7/26/18	7/31/18 4:57	KAL
Aroclor-1232 [1]	ND	0.84	mg/Kg dry	40		SW-846 8082A	7/26/18	7/31/18 4:57	KAL
Aroclor-1242 [1]	ND	0.84	mg/Kg dry	40		SW-846 8082A	7/26/18	7/31/18 4:57	KAL
Aroclor-1248 [1]	ND	0.84	mg/Kg dry	40		SW-846 8082A	7/26/18	7/31/18 4:57	KAL
Aroclor-1254 [2]	6.1	0.84	mg/Kg dry	40		SW-846 8082A	7/26/18	7/31/18 4:57	KAL
Aroclor-1260 [1]	ND	0.84	mg/Kg dry	40		SW-846 8082A	7/26/18	7/31/18 4:57	KAL
Aroclor-1262 [1]	ND	0.84	mg/Kg dry	40		SW-846 8082A	7/26/18	7/31/18 4:57	KAL
Aroclor-1268 [1]	ND	0.84	mg/Kg dry	40		SW-846 8082A	7/26/18	7/31/18 4:57	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			7/31/18 4:57	
Decachlorobiphenyl [2]		*	30-150		S-01			7/31/18 4:57	
Tetrachloro-m-xylene [1]		*	30-150		S-01			7/31/18 4:57	
Tetrachloro-m-xylene [2]		*	30-150		S-01			7/31/18 4:57	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-P-9 (0.5-1.5)

Sampled: 7/24/2018 11:26

Sample ID: 18G0964-13

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	150	0.52	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 17:34	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-P-9 (0.5-1.5)

Sampled: 7/24/2018 11:26

Sample ID: 18G0964-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.0		% Wt	1		SM 2540G	7/26/18	7/27/18 18:09	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-P-9 (1.5-2.5)

Sampled: 7/24/2018 11:27

Sample ID: 18G0964-14

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 16:24	KAL
Aroclor-1221 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 16:24	KAL
Aroclor-1232 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 16:24	KAL
Aroclor-1242 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 16:24	KAL
Aroclor-1248 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 16:24	KAL
Aroclor-1254 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 16:24	KAL
Aroclor-1260 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 16:24	KAL
Aroclor-1262 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 16:24	KAL
Aroclor-1268 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 16:24	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		103	30-150					7/30/18 16:24	
Decachlorobiphenyl [2]		109	30-150					7/30/18 16:24	
Tetrachloro-m-xylene [1]		94.9	30-150					7/30/18 16:24	
Tetrachloro-m-xylene [2]		106	30-150					7/30/18 16:24	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-P-9 (1.5-2.5)

Sampled: 7/24/2018 11:27

Sample ID: 18G0964-14

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	35	0.51	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 17:39	QNW



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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-P-9 (1.5-2.5)

Sampled: 7/24/2018 11:27

Sample ID: 18G0964-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	97.2		% Wt	1		SM 2540G	7/26/18	7/27/18 18:09	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-P-9 (2.5-3.5)

Sampled: 7/24/2018 11:28

Sample ID: 18G0964-15

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 16:41	KAL
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 16:41	KAL
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 16:41	KAL
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 16:41	KAL
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 16:41	KAL
Aroclor-1254 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 16:41	KAL
Aroclor-1260 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 16:41	KAL
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 16:41	KAL
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/26/18	7/30/18 16:41	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		101	30-150					7/30/18 16:41	
Decachlorobiphenyl [2]		108	30-150					7/30/18 16:41	
Tetrachloro-m-xylene [1]		94.6	30-150					7/30/18 16:41	
Tetrachloro-m-xylene [2]		110	30-150					7/30/18 16:41	

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-P-9 (2.5-3.5)

Sampled: 7/24/2018 11:28

Sample ID: 18G0964-15

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	32	0.51	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 14:52	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-P-9 (2.5-3.5)

Sampled: 7/24/2018 11:28

Sample ID: 18G0964-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.7		% Wt	1		SM 2540G	7/26/18	7/27/18 18:09	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-P-8 (0-0.5)

Sampled: 7/24/2018 11:53

Sample ID: 18G0964-16

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 5:14	KAL
Aroclor-1221 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 5:14	KAL
Aroclor-1232 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 5:14	KAL
Aroclor-1242 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 5:14	KAL
Aroclor-1248 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 5:14	KAL
Aroclor-1254 [2]	3.4	0.41	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 5:14	KAL
Aroclor-1260 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 5:14	KAL
Aroclor-1262 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 5:14	KAL
Aroclor-1268 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/26/18	7/31/18 5:14	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		109	30-150					7/31/18 5:14	
Decachlorobiphenyl [2]		118	30-150					7/31/18 5:14	
Tetrachloro-m-xylene [1]		94.7	30-150					7/31/18 5:14	
Tetrachloro-m-xylene [2]		114	30-150					7/31/18 5:14	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-P-8 (0-0.5)

Sampled: 7/24/2018 11:53

Sample ID: 18G0964-16

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	130	0.55	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 14:57	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0964

Date Received: 7/24/2018

Field Sample #: B-P-8 (0-0.5)

Sampled: 7/24/2018 11:53

Sample ID: 18G0964-16

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.1		% Wt	1		SM 2540G	7/26/18	7/27/18 18:10	JFC

**Sample Extraction Data**

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18G0964-01 [B-C-1 (0.5-1.5)]	B208782	07/26/18
18G0964-02 [B-C-1 (1.5-2.5)]	B208782	07/26/18
18G0964-03 [B-C-1 (2.5-3.5)]	B208782	07/26/18
18G0964-04 [B-A-1 (0-0.5)]	B208782	07/26/18
18G0964-05 [B-A-1 (0.5-1.5)]	B208782	07/26/18
18G0964-06 [B-A-1 (1.5-2.5)]	B208782	07/26/18
18G0964-07 [B-A-1 (2.5-3.5)]	B208782	07/26/18
18G0964-08 [B-P-10 (0-0.5)]	B208782	07/26/18
18G0964-09 [B-P-10 (0.5-1.5)]	B208782	07/26/18
18G0964-10 [B-P-10 (1.5-2.5)]	B208782	07/26/18
18G0964-11 [B-P-10 (2.5-3.5)]	B208782	07/26/18
18G0964-12 [B-P-9 (0-0.5)]	B208782	07/26/18
18G0964-13 [B-P-9 (0.5-1.5)]	B208782	07/26/18
18G0964-14 [B-P-9 (1.5-2.5)]	B208782	07/26/18
18G0964-15 [B-P-9 (2.5-3.5)]	B208782	07/26/18
18G0964-16 [B-P-8 (0-0.5)]	B208782	07/26/18

**Prep Method: SW-846 3050B-SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G0964-01 [B-C-1 (0.5-1.5)]	B208978	1.54	50.0	07/30/18
18G0964-02 [B-C-1 (1.5-2.5)]	B208978	1.50	50.0	07/30/18
18G0964-03 [B-C-1 (2.5-3.5)]	B208978	1.52	50.0	07/30/18
18G0964-04 [B-A-1 (0-0.5)]	B208978	1.52	50.0	07/30/18
18G0964-05 [B-A-1 (0.5-1.5)]	B208978	1.51	50.0	07/30/18
18G0964-06 [B-A-1 (1.5-2.5)]	B208978	1.52	50.0	07/30/18
18G0964-07 [B-A-1 (2.5-3.5)]	B208978	1.51	50.0	07/30/18
18G0964-08 [B-P-10 (0-0.5)]	B208978	1.51	50.0	07/30/18
18G0964-09 [B-P-10 (0.5-1.5)]	B208978	1.51	50.0	07/30/18
18G0964-10 [B-P-10 (1.5-2.5)]	B208978	1.51	50.0	07/30/18
18G0964-11 [B-P-10 (2.5-3.5)]	B208978	1.52	50.0	07/30/18
18G0964-12 [B-P-9 (0-0.5)]	B208978	1.54	50.0	07/30/18
18G0964-13 [B-P-9 (0.5-1.5)]	B208978	1.55	50.0	07/30/18
18G0964-14 [B-P-9 (1.5-2.5)]	B208978	1.52	50.0	07/30/18
18G0964-15 [B-P-9 (2.5-3.5)]	B208978	1.52	50.0	07/30/18
18G0964-16 [B-P-8 (0-0.5)]	B208978	1.49	50.0	07/30/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G0964-01 [B-C-1 (0.5-1.5)]	B208801	10.7	10.0	07/26/18
18G0964-02 [B-C-1 (1.5-2.5)]	B208801	10.2	10.0	07/26/18
18G0964-03 [B-C-1 (2.5-3.5)]	B208801	10.2	10.0	07/26/18
18G0964-04 [B-A-1 (0-0.5)]	B208801	10.4	10.0	07/26/18
18G0964-05 [B-A-1 (0.5-1.5)]	B208801	10.6	10.0	07/26/18
18G0964-06 [B-A-1 (1.5-2.5)]	B208801	10.1	10.0	07/26/18
18G0964-07 [B-A-1 (2.5-3.5)]	B208801	10.5	10.0	07/26/18
18G0964-08 [B-P-10 (0-0.5)]	B208801	10.6	10.0	07/26/18
18G0964-09 [B-P-10 (0.5-1.5)]	B208801	10.4	10.0	07/26/18
18G0964-10 [B-P-10 (1.5-2.5)]	B208801	10.2	10.0	07/26/18
18G0964-11 [B-P-10 (2.5-3.5)]	B208801	10.0	10.0	07/26/18
18G0964-12 [B-P-9 (0-0.5)]	B208801	10.6	10.0	07/26/18
18G0964-13 [B-P-9 (0.5-1.5)]	B208801	10.1	10.0	07/26/18



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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

### Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G0964-14 [B-P-9 (1.5-2.5)]	B208801	10.2	10.0	07/26/18
18G0964-15 [B-P-9 (2.5-3.5)]	B208801	10.1	10.0	07/26/18
18G0964-16 [B-P-8 (0-0.5)]	B208801	10.7	10.0	07/26/18

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B208801 - SW-846 3540C**

**Blank (B208801-BLK1)**

Prepared: 07/26/18 Analyzed: 07/28/18

Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.192		mg/Kg wet	0.200		96.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.204		mg/Kg wet	0.200		102	30-150			
Surrogate: Tetrachloro-m-xylene	0.177		mg/Kg wet	0.200		88.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.184		mg/Kg wet	0.200		91.9	30-150			

**LCS (B208801-BS1)**

Prepared: 07/26/18 Analyzed: 07/28/18

Aroclor-1016	0.18	0.019	mg/Kg wet	0.189		94.4	40-140			
Aroclor-1016 [2C]	0.18	0.019	mg/Kg wet	0.189		94.2	40-140			
Aroclor-1260	0.18	0.019	mg/Kg wet	0.189		94.1	40-140			
Aroclor-1260 [2C]	0.19	0.019	mg/Kg wet	0.189		101	40-140			
Surrogate: Decachlorobiphenyl	0.181		mg/Kg wet	0.189		96.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.195		mg/Kg wet	0.189		103	30-150			
Surrogate: Tetrachloro-m-xylene	0.168		mg/Kg wet	0.189		89.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.174		mg/Kg wet	0.189		92.4	30-150			

**LCS Dup (B208801-BSD1)**

Prepared: 07/26/18 Analyzed: 07/28/18

Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		95.8	40-140	7.30	30	
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		96.0	40-140	7.67	30	
Aroclor-1260	0.19	0.020	mg/Kg wet	0.200		94.9	40-140	6.75	30	
Aroclor-1260 [2C]	0.20	0.020	mg/Kg wet	0.200		102	40-140	6.92	30	
Surrogate: Decachlorobiphenyl	0.191		mg/Kg wet	0.200		95.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.204		mg/Kg wet	0.200		102	30-150			
Surrogate: Tetrachloro-m-xylene	0.178		mg/Kg wet	0.200		88.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.184		mg/Kg wet	0.200		91.8	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B208801 - SW-846 3540C</b>										
<b>Matrix Spike (B208801-MS1)</b>	<b>Source: 18G0964-01</b>			Prepared: 07/26/18 Analyzed: 07/30/18						
<b>Aroclor-1016</b>	0.33	0.11	mg/Kg dry	0.211	ND	<b>154</b>	* 40-140			MS-21
<b>Aroclor-1016 [2C]</b>	0.53	0.11	mg/Kg dry	0.211	ND	<b>252</b>	* 40-140			MS-21
<b>Aroclor-1260</b>	0.75	0.11	mg/Kg dry	0.211	ND	<b>353</b>	* 40-140			MS-21
<b>Aroclor-1260 [2C]</b>	1.1	0.11	mg/Kg dry	0.211	ND	<b>497</b>	* 40-140			MS-21
Surrogate: Decachlorobiphenyl	0.234		mg/Kg dry	0.211		111	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.259		mg/Kg dry	0.211		122	30-150			
Surrogate: Tetrachloro-m-xylene	0.235		mg/Kg dry	0.211		111	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.268		mg/Kg dry	0.211		127	30-150			
<b>Matrix Spike Dup (B208801-MSD1)</b>	<b>Source: 18G0964-01</b>			Prepared: 07/26/18 Analyzed: 07/30/18						
<b>Aroclor-1016</b>	0.34	0.11	mg/Kg dry	0.213	ND	<b>160</b>	* 40-140	4.49	50	MS-21
<b>Aroclor-1016 [2C]</b>	0.60	0.11	mg/Kg dry	0.213	ND	<b>279</b>	* 40-140	11.0	50	MS-21
<b>Aroclor-1260</b>	0.75	0.11	mg/Kg dry	0.213	ND	<b>353</b>	* 40-140	0.791	50	MS-21
<b>Aroclor-1260 [2C]</b>	1.1	0.11	mg/Kg dry	0.213	ND	<b>537</b>	* 40-140	8.69	50	MS-21
Surrogate: Decachlorobiphenyl	0.240		mg/Kg dry	0.213		113	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.265		mg/Kg dry	0.213		124	30-150			
Surrogate: Tetrachloro-m-xylene	0.238		mg/Kg dry	0.213		112	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.273		mg/Kg dry	0.213		128	30-150			

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**QUALITY CONTROL**

**Metals Analyses (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B208978 - SW-846 3050B</b>										
<b>Blank (B208978-BLK1)</b>										
					Prepared: 07/30/18 Analyzed: 07/31/18					
Lead	ND	0.49	mg/Kg wet							
<b>LCS (B208978-BS1)</b>										
					Prepared: 07/30/18 Analyzed: 07/31/18					
Lead	112	1.5	mg/Kg wet	111		101	83-117.1			
<b>LCS Dup (B208978-BSD1)</b>										
					Prepared: 07/30/18 Analyzed: 07/31/18					
Lead	108	1.5	mg/Kg wet	111		97.0	83-117.1	3.57	30	
<b>Duplicate (B208978-DUP1)</b>										
					<b>Source: 18G0964-04</b>					
					Prepared: 07/30/18 Analyzed: 07/31/18					
Lead	144	0.57	mg/Kg dry			152		5.45	35	
<b>MRL Check (B208978-MRL1)</b>										
					Prepared: 07/30/18 Analyzed: 07/31/18					
Lead	0.548	0.49	mg/Kg wet	0.491		112	80-120			
<b>Matrix Spike (B208978-MS1)</b>										
					<b>Source: 18G0964-04</b>					
					Prepared: 07/30/18 Analyzed: 07/31/18					
Lead	176	0.57	mg/Kg dry	19.1		152 125	75-125			

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**QUALITY CONTROL**

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B208782 - % Solids**

**Duplicate (B208782-DUPA)**

**Source: 18G0964-11**

Prepared: 07/26/18 Analyzed: 07/27/18

% Solids	95.9		% Wt		95.7			0.189	20	
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**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-1 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G0964-01 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.2	
	2	0.000	-0.030	0.030	2.8	24.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-1 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G0964-02 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.95	
	2	0.000	-0.030	0.030	1.2	23.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-1 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G0964-03 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	7.6	
	2	0.000	-0.030	0.030	9.3	20.1



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-A-1 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G0964-04 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	5.3	
	2	0.000	-0.030	0.030	6.5	20.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-A-1 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G0964-05 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	7.8	
	2	0.000	-0.030	0.030	9.5	19.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-A-1 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G0964-06 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.8	
	2	0.000	-0.030	0.030	3.5	22.2

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-A-1 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G0964-07 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	22	
	2	0.000	-0.030	0.030	26	16.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-P-10 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G0964-08 Date(s) Analyzed: 07/30/2018 07/30/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.34	
	2	0.000	-0.030	0.030	0.39	13.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-P-10 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G0964-09 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	3.0	
	2	0.000	-0.030	0.030	3.7	20.9

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-P-10 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G0964-10 Date(s) Analyzed: 07/30/2018 07/30/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.30	
	2	0.000	-0.030	0.030	0.35	15.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-P-9 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G0964-12 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.9	
	2	0.000	-0.030	0.030	3.5	18.8



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-P-9 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G0964-13 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	5.1	
	2	0.000	-0.030	0.030	6.1	17.9

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-P-8 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G0964-16 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.8	
	2	0.000	-0.030	0.030	3.4	19.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

<b>LCS</b>
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*SW-846 8082A*

Lab Sample ID:                   B208801-BS1                                        Date(s) Analyzed:           07/28/2018                     07/28/2018          

Instrument ID (1):                   ECD 9                                        Instrument ID (2):                   ECD 9                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.18	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.19	5.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

<b>LCS Dup</b>
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*SW-846 8082A*

Lab Sample ID:                     B208801-BSD1                                          Date(s) Analyzed:           07/28/2018                     07/28/2018          

Instrument ID (1):                     ECD 9                                          Instrument ID (2):                     ECD 9                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.19	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.20	5.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike**

*SW-846 8082A*

Lab Sample ID:           B208801-MS1                                Date(s) Analyzed:           07/30/2018                     07/30/2018          

Instrument ID (1):           ECD10                                        Instrument ID (2):           ECD10          

GC Column (1):                              ID:                      (mm)                      GC Column (2):                              ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.33	
	2	0.000	-0.030	0.030	0.53	46.5
Aroclor-1260	1	0.000	-0.030	0.030	0.75	
	2	0.000	-0.030	0.030	1.1	37.8

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike Dup**

*SW-846 8082A*

Lab Sample ID:                   B208801-MSD1                                        Date(s) Analyzed:           07/30/2018                     07/30/2018          

Instrument ID (1):                   ECD10                                        Instrument ID (2):                   ECD10                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.34	
	2	0.000	-0.030	0.030	0.60	55.3
Aroclor-1260	1	0.000	-0.030	0.030	0.75	
	2	0.000	-0.030	0.030	1.1	37.8

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**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
O-32	A dilution was performed as part of the standard analytical procedure.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<b>SW-846 6010D in Soil</b>	
Lead	CT,NH,NY,AIHA,ME,VA,NC
<b>SW-846 8082A in Soil</b>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019







18609024

Requested Turnaround Time:  7-Day  10-Day

Due Date: \_\_\_\_\_

Must Approval Required:  1-Day  3-Day

2-Day  4-Day

Date Delivered: \_\_\_\_\_

Format: PDF  EXCEL

Other: \_\_\_\_\_

CLP Like Data Pkg Required:

Email To: \_\_\_\_\_

Fax To #: \_\_\_\_\_

Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Conductivity	Temp	Temp Coef	Analysis Requested
B-A-1 (0-0.5)	7/24	9:26	1	S	L	Lead
B-A-2 (0.5-1.5)		9:27	1	S	L	PCBs (Soxhlet)
B-A-1 (1.5-2.5)		9:28	1	S	L	
B-A-1 (2.5-3.5)		9:28	1	S	L	
B-A-1 (3.5-5.5)		9:30	1	S	L	
B-A-1 (5.5-7.5)		9:31	1	S	L	
B-A-2 (7.5-9.5)		9:32	1	S	L	
B-A-1 (9.5-11.5)		9:33	1	S	L	
B-A-2 (11.5-13.5)		9:34	1	S	L	
B-A-1 (13.5-15.5)		9:35	1	S	L	

Comments: Samples w/ no analyses checked to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/24/18

Received by: (signature) \_\_\_\_\_ Date/Time: 7/24/18 16:15

Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/24/18 20:28

Received by: (signature) \_\_\_\_\_ Date/Time: 7/24/18 20:00

Relinquished by: (signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Project Name: \_\_\_\_\_

Project Location: \_\_\_\_\_

Project Number: \_\_\_\_\_

Project Manager: \_\_\_\_\_

Con-Test Quote Name/Number: \_\_\_\_\_

Invoice Recipient: \_\_\_\_\_

Sampled By: \_\_\_\_\_

Project Entity:  Government  Federal  City  Municipality  21 J  Brownfield  MWRA  School  MBTA  WRTA  Chromatogram  AIHA-LAP, LLC

Special Requirements:  MA MCP Required  MCP Certification Form Required  CT RCP Required  RCP Certification Form Required  MA State DWP Required

PARSIP # \_\_\_\_\_

Other: \_\_\_\_\_







18609044

Page 19 of 19

**Client Name:** [Redacted]  
**Address:** [Redacted]  
**Phone:** [Redacted]  
**Project Name:** [Redacted]  
**Project Location:** [Redacted]  
**Project Number:** [Redacted]  
**Project Manager:** [Redacted]  
**Con-Test Quote Name/Number:** [Redacted]  
**Invoice Recipient:** [Redacted]  
**Sampled By:** [Redacted]

**Requested Turnaround Time:**  
 7-Day  10-Day   
**Due Date:** [Redacted]

**Analysis Requested:**  
 1-Day  3-Day   
 2-Day  4-Day   
**Format:** PDF  EXCEL   
**Other:** [Redacted]  
**CLP Like Data Pkg Required:**   
**Email To:** [Redacted]  
**Fax To #:** [Redacted]

Con-Test Work Order	Client Sample ID / Description	Sampling Date/Time	Analysis Requested	Matrix Code	Preservation Code	Container Code
12	B-P-9 (0-0.5)	7/24 11:25	✓	S	U	Field Filtered
13	B-P-9 (0.5-1.5)	11:26	✓	S	U	Field Filtered
14	B-P-9 (1.5-2.5)	11:27	✓	S	U	Field Filtered
15	B-P-9 (2.5-3.5)	11:28	✓	S	U	Field Filtered
	B-P-9 (3.5-5.5)	11:29	✓	S	U	Field Filtered
	B-P-9 (5.5-7.5)	11:30	✓	S	U	Field Filtered
	B-P-9 (7.5-9.5)	11:31	✓	S	U	Field Filtered
	B-P-9 (9.5-11.5)	11:32	✓	S	U	Field Filtered
	B-P-9 (11.5-13.5)	11:33	✓	S	U	Field Filtered
16	B-P-8 (0-0.5)	11:33	✓	S	U	Field Filtered

**Comments:** Samples w/ no analytes checked to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

**Relinquished by: (signature)** [Signature] **Date/Time:** 7/24/18 16:15

**Received by: (signature)** [Signature] **Date/Time:** 7/24/18 16:15

**Relinquished by: (signature)** [Signature] **Date/Time:** 7/24/18 20:00

**Received by: (signature)** [Signature] **Date/Time:** 7/24/18 20:00

**Relinquished by: (signature)** [Signature] **Date/Time:** 7/24/18 20:00

**Received by: (signature)** [Signature] **Date/Time:** 7/24/18 20:00

**Project Entity:**  Government  Municipal  MNRA  Other  
 Federal  21 J  School  Chromatogram  
 City  Brownfield  MBTA  AIMA-LAP, LLC

**Special Requirements:**  
 MA MCP Required  
 W.P. Certification Form Required  
 CT RCP Required  
 RCP Certification Form Required  
 MA State DOW Required

**PM/MSD #:** [Redacted]

**con-test ANALYTICAL LABORATORY**  
 www.contestlabs.com



Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False**

Client Weston & Sampson  
 Received By RLF Date 7/24/18 Time 2:00  
 How were the samples received? In Cooler T No Cooler \_\_\_\_\_ On Ice T No Ice \_\_\_\_\_  
 Direct from Sampling \_\_\_\_\_ Ambient \_\_\_\_\_ Melted Ice \_\_\_\_\_  
 Were samples within Temperature? 2-6°C T By Gun # 8 Actual Temp - 2.5, 3.6 °C  
 By Blank # \_\_\_\_\_ Actual Temp - \_\_\_\_\_  
 Was Custody Seal Intact? NA Were Samples Tampered with? NA  
 Was COC Relinquished? T Does Chain Agree With Samples? \_\_\_\_\_  
 Are there broken/leaking/loose caps on any samples? F  
 Is COC in ink/ Legible? T Were samples received within holding time? T  
 Did COC include all pertinent Information? Client T Analysis T Sampler Name T  
 Project T ID's T Collection Dates/Times T  
 Are Sample labels filled out and legible? T  
 Are there Lab to Filters? F Who was notified? \_\_\_\_\_  
 Are there Rushes? F Who was notified? \_\_\_\_\_  
 Are there Short Holds? F Who was notified? \_\_\_\_\_  
 Is there enough Volume? T  
 Is there Headspace where applicable? NA MS/MSD? F  
 Proper Media/Containers Used? T Is splitting samples required? F  
 Were trip blanks received? F On COC? F  
 Do all samples have the proper pH? Acid NA Base NA

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

**Unused Media**

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

**Comments:**

~~missing samples see attached email~~ (RLF)



September 4, 2018

Taylor Smith  
Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960

Project Location: Conway Park., Somerville, MA  
Client Job Number:  
Project Number: [none]  
Laboratory Work Order Number: 18G0965

Enclosed are results of analyses for samples received by the laboratory on July 24, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Meghan E. Kelley". The signature is written in a cursive style with a large, sweeping flourish at the end.

Meghan E. Kelley  
Project Manager

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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 9/4/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G0965

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-R-11 (3.5-5.5)	18G0965-01	Soil		-	
B-R-11 (5.5-7.5)	18G0965-02	Soil		-	
B-P-8 (9.5-11.5)	18G0965-05	Soil		SW-846 8082A	
B-Q-11 (3.5-5.5)	18G0965-06	Soil		-	
B-Q-11 (5.5-7.5)	18G0965-07	Soil		-	
B-Q-11 (7.5-9.5)	18G0965-08	Soil		-	
B-Q-10 (3.5-5.5)	18G0965-09	Soil		-	
B-Q-10 (5.5-7.5)	18G0965-10	Soil		-	
B-Q-9 (3.5-5.5)	18G0965-11	Soil		-	
B-Q-8 (3.5-5.5)	18G0965-12	Soil		-	
B-Q-8 (5.5-7.5)	18G0965-13	Soil		-	
B-Q-8 (7.5-9.5)	18G0965-14	Soil		-	
B-Q-8 (9.5-10)	18G0965-15	Soil		-	
B-S-10 (3.5-5.5)	18G0965-16	Soil		-	
B-S-10 (5.5-7.5)	18G0965-17	Soil		-	
B-S-11 (3.5-5.5)	18G0965-18	Soil		-	
B-S-11 (5.5-7.5)	18G0965-19	Soil		-	
B-S-11 (7.5-9.5)	18G0965-20	Soil		-	
B-S-7 (3.5-5.5)	18G0965-21	Soil		-	
B-S-7 (5.5-7.5)	18G0965-22	Soil		-	
B-S-6 (3.5-5.5)	18G0965-23	Soil		-	
B-S-6 (5.5-7.5)	18G0965-24	Soil		-	
B-R-7 (3.5-5.5)	18G0965-25	Soil		-	
B-R-7 (5.5-7.5)	18G0965-26	Soil		-	
B-R-7 (7.5-9.5)	18G0965-27	Soil		-	
B-R-6 (3.5-5.5)	18G0965-28	Soil		-	
B-R-6 (5.5-7.5)	18G0965-29	Soil		-	
B-S-3 (3.5-5.5)	18G0965-30	Soil		-	
B-S-3 (5.5-7.5)	18G0965-31	Soil		-	
B-S-4 (3.5-5.5)	18G0965-32	Soil		-	
B-S-4 (5.5-7.5)	18G0965-33	Soil		-	
B-S-5 (3.5-5.5)	18G0965-34	Soil		-	
B-S-5 (5.5-7.5)	18G0965-35	Soil		-	
B-R-8 (3.5-5.5)	18G0965-36	Soil		-	
B-R-5 (5.5-7.5)	18G0965-37	Soil		-	
B-Q-9 (5.5-7.5)	18G0965-39	Soil		-	
B-Q-9 (7.5-9.5)	18G0965-40	Soil		-	
B-R-3 (3.5-5.5)	18G0965-48	Soil		-	
B-R-3 (5.5-7.5)	18G0965-49	Soil		-	
B-R-4 (3.5-5.5)	18G0965-50	Soil		-	
B-R-4 (5.5-7.5)	18G0965-51	Soil		-	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 9/4/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G0965

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-R-4 (7.5-9.5)	18G0965-52	Soil		-	
B-O-1 (3.5-5.5)	18G0965-53	Soil		SM 2540G SW-846 8082A	
B-C-1 (7.5-9.5)	18G0965-56	Soil		SM 2540G SW-846 8082A	
B-C-1 (9.5-11.5)	18G0965-57	Soil		SM 2540G SW-846 8082A	
B-C-1 (11.5-13.5)	18G0965-58	Soil		SM 2540G SW-846 8082A	
B-C-1 (13.5-15.5)	18G0965-59	Soil		SM 2540G SW-846 8082A	
B-C-1 (15.5-17.5)	18G0965-60	Soil		SM 2540G SW-846 8082A	
B-A-1 (7.5-9.5)	18G0965-63	Soil		SM 2540G SW-846 8082A	
B-A-1 (9.5-11.5)	18G0965-64	Soil		SM 2540G SW-846 8082A	
B-A-1 (11.5-13.5)	18G0965-65	Soil		SM 2540G SW-846 8082A	
B-A-1 (13.5-15.5)	18G0965-66	Soil		SM 2540G SW-846 8082A	
B-A-1 (15.5-17.5)	18G0965-67	Soil		SM 2540G SW-846 8082A	
B-A-1 (17.5-19.5)	18G0965-68	Soil		SM 2540G SW-846 8082A	
B-P-10 (3.5-5.5)	18G0965-69	Soil		SM 2540G SW-846 8082A	
B-P-10 (5.5-7.5)	18G0965-70	Soil		SM 2540G SW-846 8082A	
B-P-10 (7.5-9.5)	18G0965-71	Soil		SM 2540G SW-846 8082A	
B-P-10 (9.5-11.5)	18G0965-72	Soil		SW-846 8082A	
B-P-9 (3.5-5.5)	18G0965-73	Soil		SM 2540G SW-846 8082A	
B-P-9 (5.5-7.5)	18G0965-74	Soil		SM 2540G SW-846 8082A	
B-P-9 (7.5-9.5)	18G0965-75	Soil		SM 2540G SW-846 8082A	
B-P-9 (9.5-11.5)	18G0965-76	Soil		SM 2540G SW-846 8082A	

---

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960  
ATTN: Taylor Smith

REPORT DATE: 9/4/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

---

WORK ORDER NUMBER: 18G0965

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-P-9 (11.5-13.5)	18G0965-77	Soil		SM 2540G SW-846 8082A	
B-O-1 (5.5-7.5)	18G0965-78	Soil		SM 2540G SW-846 8082A	

## CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082A

**Qualifications:****O-32**

A dilution was performed as part of the standard analytical procedure.

**Analyte & Samples(s) Qualified:**

18G0965-05[B-P-8 (9.5-11.5)], 18G0965-53[B-O-1 (3.5-5.5)], 18G0965-56[B-C-1 (7.5-9.5)], 18G0965-58[B-C-1 (11.5-13.5)], 18G0965-59[B-C-1 (13.5-15.5)], 18G0965-60[B-C-1 (15.5-17.5)], 18G0965-63[B-A-1 (7.5-9.5)], 18G0965-64[B-A-1 (9.5-11.5)], 18G0965-65[B-A-1 (11.5-13.5)], 18G0965-66[B-A-1 (13.5-15.5)], 18G0965-68[B-A-1 (17.5-19.5)], 18G0965-69[B-P-10 (3.5-5.5)], 18G0965-71[B-P-10 (7.5-9.5)], 18G0965-72[B-P-10 (9.5-11.5)], 18G0965-73[B-P-9 (3.5-5.5)], 18G0965-75[B-P-9 (7.5-9.5)], 18G0965-77[B-P-9 (11.5-13.5)], 18G0965-78[B-O-1 (5.5-7.5)]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington  
Project Manager

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0965

Date Received: 7/24/2018

Field Sample #: B-P-8 (9.5-11.5)

Sampled: 7/24/2018 11:59

Sample ID: 18G0965-05

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/2/18	8/25/18 3:58	KAL
Aroclor-1221 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/2/18	8/25/18 3:58	KAL
Aroclor-1232 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/2/18	8/25/18 3:58	KAL
Aroclor-1242 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/2/18	8/25/18 3:58	KAL
Aroclor-1248 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/2/18	8/25/18 3:58	KAL
Aroclor-1254 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/2/18	8/25/18 3:58	KAL
Aroclor-1260 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/2/18	8/25/18 3:58	KAL
Aroclor-1262 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/2/18	8/25/18 3:58	KAL
Aroclor-1268 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/2/18	8/25/18 3:58	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		95.4	30-150					8/25/18 3:58	
Decachlorobiphenyl [2]		99.2	30-150					8/25/18 3:58	
Tetrachloro-m-xylene [1]		98.9	30-150					8/25/18 3:58	
Tetrachloro-m-xylene [2]		103	30-150					8/25/18 3:58	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0965

Date Received: 7/24/2018

Field Sample #: B-O-1 (3.5-5.5)

Sampled: 7/24/2018 09:04

Sample ID: 18G0965-53

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 5:33	KAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 5:33	KAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 5:33	KAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 5:33	KAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 5:33	KAL
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 5:33	KAL
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 5:33	KAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 5:33	KAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 5:33	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		90.8	30-150					8/25/18 5:33	
Decachlorobiphenyl [2]		102	30-150					8/25/18 5:33	
Tetrachloro-m-xylene [1]		89.1	30-150					8/25/18 5:33	
Tetrachloro-m-xylene [2]		92.3	30-150					8/25/18 5:33	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0965

Date Received: 7/24/2018

Field Sample #: B-O-1 (3.5-5.5)

Sampled: 7/24/2018 09:04

Sample ID: 18G0965-53

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.9		% Wt	1		SM 2540G	8/29/18	8/30/18 18:06	MAT



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0965

Date Received: 7/24/2018

Field Sample #: B-C-1 (7.5-9.5)

Sampled: 7/24/2018 09:21

Sample ID: 18G0965-56

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 5:50	KAL
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 5:50	KAL
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 5:50	KAL
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 5:50	KAL
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 5:50	KAL
Aroclor-1254 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 5:50	KAL
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 5:50	KAL
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 5:50	KAL
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 5:50	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		94.1	30-150					8/25/18 5:50	
Decachlorobiphenyl [2]		115	30-150					8/25/18 5:50	
Tetrachloro-m-xylene [1]		93.7	30-150					8/25/18 5:50	
Tetrachloro-m-xylene [2]		93.6	30-150					8/25/18 5:50	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0965

Date Received: 7/24/2018

Field Sample #: B-C-1 (7.5-9.5)

Sampled: 7/24/2018 09:21

Sample ID: 18G0965-56

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.1		% Wt	1		SM 2540G	8/29/18	8/30/18 18:06	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0965

Date Received: 7/24/2018

Field Sample #: B-C-1 (9.5-11.5)

Sampled: 7/24/2018 09:22

Sample ID: 18G0965-57

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	8/2/18	8/25/18 12:24	KAL
Aroclor-1221 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	8/2/18	8/25/18 12:24	KAL
Aroclor-1232 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	8/2/18	8/25/18 12:24	KAL
Aroclor-1242 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	8/2/18	8/25/18 12:24	KAL
Aroclor-1248 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	8/2/18	8/25/18 12:24	KAL
Aroclor-1254 [1]	2.7	0.45	mg/Kg dry	20		SW-846 8082A	8/2/18	8/25/18 12:24	KAL
Aroclor-1260 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	8/2/18	8/25/18 12:24	KAL
Aroclor-1262 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	8/2/18	8/25/18 12:24	KAL
Aroclor-1268 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	8/2/18	8/25/18 12:24	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		89.8	30-150					8/25/18 12:24	
Decachlorobiphenyl [2]		107	30-150					8/25/18 12:24	
Tetrachloro-m-xylene [1]		89.5	30-150					8/25/18 12:24	
Tetrachloro-m-xylene [2]		88.1	30-150					8/25/18 12:24	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0965

Date Received: 7/24/2018

Field Sample #: B-C-1 (9.5-11.5)

Sampled: 7/24/2018 09:22

Sample ID: 18G0965-57

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.3		% Wt	1		SM 2540G	8/29/18	8/30/18 18:06	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0965

Date Received: 7/24/2018

Field Sample #: B-C-1 (11.5-13.5)

Sampled: 7/24/2018 09:23

Sample ID: 18G0965-58

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 6:25	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 6:25	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 6:25	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 6:25	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 6:25	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 6:25	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 6:25	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 6:25	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 6:25	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		75.6	30-150					8/25/18 6:25	
Decachlorobiphenyl [2]		90.3	30-150					8/25/18 6:25	
Tetrachloro-m-xylene [1]		78.9	30-150					8/25/18 6:25	
Tetrachloro-m-xylene [2]		78.8	30-150					8/25/18 6:25	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0965

Date Received: 7/24/2018

Field Sample #: B-C-1 (11.5-13.5)

Sampled: 7/24/2018 09:23

Sample ID: 18G0965-58

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	74.6		% Wt	1		SM 2540G	8/29/18	8/30/18 18:07	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0965

Date Received: 7/24/2018

Field Sample #: B-C-1 (13.5-15.5)

Sampled: 7/24/2018 09:24

Sample ID: 18G0965-59

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 6:43	KAL
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 6:43	KAL
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 6:43	KAL
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 6:43	KAL
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 6:43	KAL
Aroclor-1254 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 6:43	KAL
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 6:43	KAL
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 6:43	KAL
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 6:43	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		76.1	30-150					8/25/18 6:43	
Decachlorobiphenyl [2]		87.3	30-150					8/25/18 6:43	
Tetrachloro-m-xylene [1]		78.9	30-150					8/25/18 6:43	
Tetrachloro-m-xylene [2]		78.8	30-150					8/25/18 6:43	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0965

Date Received: 7/24/2018

Field Sample #: B-C-1 (13.5-15.5)

Sampled: 7/24/2018 09:24

Sample ID: 18G0965-59

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.7		% Wt	1		SM 2540G	8/29/18	8/30/18 18:07	MAT



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0965

Date Received: 7/24/2018

Field Sample #: B-C-1 (15.5-17.5)

Sampled: 7/24/2018 09:25

Sample ID: 18G0965-60

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 7:00	KAL
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 7:00	KAL
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 7:00	KAL
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 7:00	KAL
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 7:00	KAL
Aroclor-1254 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 7:00	KAL
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 7:00	KAL
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 7:00	KAL
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 7:00	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		89.5	30-150					8/25/18 7:00	
Decachlorobiphenyl [2]		100	30-150					8/25/18 7:00	
Tetrachloro-m-xylene [1]		90.2	30-150					8/25/18 7:00	
Tetrachloro-m-xylene [2]		93.3	30-150					8/25/18 7:00	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0965

Date Received: 7/24/2018

Field Sample #: B-C-1 (15.5-17.5)

Sampled: 7/24/2018 09:25

Sample ID: 18G0965-60

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.9		% Wt	1		SM 2540G	8/29/18	8/30/18 18:07	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0965

Date Received: 7/24/2018

Field Sample #: B-A-1 (7.5-9.5)

Sampled: 7/23/2018 09:32

Sample ID: 18G0965-63

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 7:18	KAL
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 7:18	KAL
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 7:18	KAL
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 7:18	KAL
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 7:18	KAL
Aroclor-1254 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 7:18	KAL
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 7:18	KAL
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 7:18	KAL
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 7:18	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		95.3	30-150					8/25/18 7:18	
Decachlorobiphenyl [2]		114	30-150					8/25/18 7:18	
Tetrachloro-m-xylene [1]		94.4	30-150					8/25/18 7:18	
Tetrachloro-m-xylene [2]		94.3	30-150					8/25/18 7:18	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0965

Date Received: 7/24/2018

Field Sample #: B-A-1 (7.5-9.5)

Sampled: 7/23/2018 09:32

Sample ID: 18G0965-63

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.2		% Wt	1		SM 2540G	8/29/18	8/30/18 18:07	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0965

Date Received: 7/24/2018

Field Sample #: B-A-1 (9.5-11.5)

Sampled: 7/23/2018 09:33

Sample ID: 18G0965-64

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 7:35	KAL
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 7:35	KAL
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 7:35	KAL
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 7:35	KAL
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 7:35	KAL
Aroclor-1254 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 7:35	KAL
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 7:35	KAL
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 7:35	KAL
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 7:35	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		94.7	30-150					8/25/18 7:35	
Decachlorobiphenyl [2]		108	30-150					8/25/18 7:35	
Tetrachloro-m-xylene [1]		95.3	30-150					8/25/18 7:35	
Tetrachloro-m-xylene [2]		95.3	30-150					8/25/18 7:35	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0965

Date Received: 7/24/2018

Field Sample #: B-A-1 (9.5-11.5)

Sampled: 7/23/2018 09:33

Sample ID: 18G0965-64

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.6		% Wt	1		SM 2540G	8/29/18	8/30/18 18:07	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0965

Date Received: 7/24/2018

Field Sample #: B-A-1 (11.5-13.5)

Sampled: 7/23/2018 09:34

Sample ID: 18G0965-65

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.19	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 7:52	KAL
Aroclor-1221 [1]	ND	0.19	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 7:52	KAL
Aroclor-1232 [1]	ND	0.19	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 7:52	KAL
Aroclor-1242 [1]	ND	0.19	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 7:52	KAL
Aroclor-1248 [1]	ND	0.19	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 7:52	KAL
Aroclor-1254 [1]	ND	0.19	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 7:52	KAL
Aroclor-1260 [1]	ND	0.19	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 7:52	KAL
Aroclor-1262 [1]	ND	0.19	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 7:52	KAL
Aroclor-1268 [1]	ND	0.19	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 7:52	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		80.3	30-150					8/25/18 7:52	
Decachlorobiphenyl [2]		91.1	30-150					8/25/18 7:52	
Tetrachloro-m-xylene [1]		75.0	30-150					8/25/18 7:52	
Tetrachloro-m-xylene [2]		76.6	30-150					8/25/18 7:52	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0965

Date Received: 7/24/2018

Field Sample #: B-A-1 (11.5-13.5)

Sampled: 7/23/2018 09:34

Sample ID: 18G0965-65

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	42.3		% Wt	1		SM 2540G	8/29/18	8/30/18 18:07	MAT



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0965

Date Received: 7/24/2018

Field Sample #: B-A-1 (13.5-15.5)

Sampled: 7/23/2018 09:35

Sample ID: 18G0965-66

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 8:10	KAL
Aroclor-1221 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 8:10	KAL
Aroclor-1232 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 8:10	KAL
Aroclor-1242 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 8:10	KAL
Aroclor-1248 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 8:10	KAL
Aroclor-1254 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 8:10	KAL
Aroclor-1260 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 8:10	KAL
Aroclor-1262 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 8:10	KAL
Aroclor-1268 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 8:10	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		79.0	30-150					8/25/18 8:10	
Decachlorobiphenyl [2]		89.8	30-150					8/25/18 8:10	
Tetrachloro-m-xylene [1]		72.5	30-150					8/25/18 8:10	
Tetrachloro-m-xylene [2]		73.6	30-150					8/25/18 8:10	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0965

Date Received: 7/24/2018

Field Sample #: B-A-1 (13.5-15.5)

Sampled: 7/23/2018 09:35

Sample ID: 18G0965-66

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.4		% Wt	1		SM 2540G	8/29/18	8/30/18 18:07	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0965

Date Received: 7/24/2018

Field Sample #: B-A-1 (15.5-17.5)

Sampled: 7/24/2018 09:36

Sample ID: 18G0965-67

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 9:17	KAL
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 9:17	KAL
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 9:17	KAL
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 9:17	KAL
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 9:17	KAL
Aroclor-1254 [1]	0.64	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 9:17	KAL
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 9:17	KAL
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 9:17	KAL
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 9:17	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		77.5	30-150					8/25/18 9:17	
Decachlorobiphenyl [2]		91.1	30-150					8/25/18 9:17	
Tetrachloro-m-xylene [1]		70.6	30-150					8/25/18 9:17	
Tetrachloro-m-xylene [2]		72.3	30-150					8/25/18 9:17	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0965

Date Received: 7/24/2018

Field Sample #: B-A-1 (15.5-17.5)

Sampled: 7/24/2018 09:36

Sample ID: 18G0965-67

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.8		% Wt	1		SM 2540G	8/29/18	8/30/18 18:07	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0965

Date Received: 7/24/2018

Field Sample #: B-A-1 (17.5-19.5)

Sampled: 7/24/2018 09:37

Sample ID: 18G0965-68

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 9:34	KAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 9:34	KAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 9:34	KAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 9:34	KAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 9:34	KAL
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 9:34	KAL
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 9:34	KAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 9:34	KAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 9:34	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		95.8	30-150					8/25/18 9:34	
Decachlorobiphenyl [2]		108	30-150					8/25/18 9:34	
Tetrachloro-m-xylene [1]		90.0	30-150					8/25/18 9:34	
Tetrachloro-m-xylene [2]		91.6	30-150					8/25/18 9:34	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0965

Date Received: 7/24/2018

Field Sample #: B-A-1 (17.5-19.5)

Sampled: 7/24/2018 09:37

Sample ID: 18G0965-68

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.8		% Wt	1		SM 2540G	8/29/18	8/30/18 18:07	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0965

Date Received: 7/24/2018

Field Sample #: B-P-10 (3.5-5.5)

Sampled: 7/24/2018 11:04

Sample ID: 18G0965-69

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 9:52	KAL
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 9:52	KAL
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 9:52	KAL
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 9:52	KAL
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 9:52	KAL
Aroclor-1254 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 9:52	KAL
Aroclor-1260 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 9:52	KAL
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 9:52	KAL
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 9:52	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		89.5	30-150					8/25/18 9:52	
Decachlorobiphenyl [2]		112	30-150					8/25/18 9:52	
Tetrachloro-m-xylene [1]		91.6	30-150					8/25/18 9:52	
Tetrachloro-m-xylene [2]		92.0	30-150					8/25/18 9:52	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0965

Date Received: 7/24/2018

Field Sample #: B-P-10 (3.5-5.5)

Sampled: 7/24/2018 11:04

Sample ID: 18G0965-69

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.3		% Wt	1		SM 2540G	8/29/18	8/30/18 18:07	MAT



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0965

Date Received: 7/24/2018

Field Sample #: B-P-10 (5.5-7.5)

Sampled: 7/24/2018 11:05

Sample ID: 18G0965-70

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 10:09	KAL
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 10:09	KAL
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 10:09	KAL
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 10:09	KAL
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 10:09	KAL
Aroclor-1254 [1]	0.39	0.085	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 10:09	KAL
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 10:09	KAL
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 10:09	KAL
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 10:09	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		91.2	30-150					8/25/18 10:09	
Decachlorobiphenyl [2]		109	30-150					8/25/18 10:09	
Tetrachloro-m-xylene [1]		91.7	30-150					8/25/18 10:09	
Tetrachloro-m-xylene [2]		92.2	30-150					8/25/18 10:09	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0965

Date Received: 7/24/2018

Field Sample #: B-P-10 (5.5-7.5)

Sampled: 7/24/2018 11:05

Sample ID: 18G0965-70

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.0		% Wt	1		SM 2540G	8/29/18	8/30/18 18:07	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0965

Date Received: 7/24/2018

Field Sample #: B-P-10 (7.5-9.5)

Sampled: 7/24/2018 11:06

Sample ID: 18G0965-71

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 10:27	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 10:27	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 10:27	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 10:27	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 10:27	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 10:27	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 10:27	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 10:27	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 10:27	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		93.1	30-150					8/25/18 10:27	
Decachlorobiphenyl [2]		118	30-150					8/25/18 10:27	
Tetrachloro-m-xylene [1]		94.8	30-150					8/25/18 10:27	
Tetrachloro-m-xylene [2]		95.6	30-150					8/25/18 10:27	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0965

Date Received: 7/24/2018

Field Sample #: B-P-10 (7.5-9.5)

Sampled: 7/24/2018 11:06

Sample ID: 18G0965-71

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	78.4		% Wt	1		SM 2540G	8/29/18	8/30/18 18:07	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0965

Date Received: 7/24/2018

Field Sample #: B-P-10 (9.5-11.5)

Sampled: 7/24/2018 11:07

Sample ID: 18G0965-72

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/2/18	8/25/18 10:44	KAL
Aroclor-1221 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/2/18	8/25/18 10:44	KAL
Aroclor-1232 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/2/18	8/25/18 10:44	KAL
Aroclor-1242 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/2/18	8/25/18 10:44	KAL
Aroclor-1248 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/2/18	8/25/18 10:44	KAL
Aroclor-1254 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/2/18	8/25/18 10:44	KAL
Aroclor-1260 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/2/18	8/25/18 10:44	KAL
Aroclor-1262 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/2/18	8/25/18 10:44	KAL
Aroclor-1268 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/2/18	8/25/18 10:44	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		97.7	30-150					8/25/18 10:44	
Decachlorobiphenyl [2]		115	30-150					8/25/18 10:44	
Tetrachloro-m-xylene [1]		98.5	30-150					8/25/18 10:44	
Tetrachloro-m-xylene [2]		99.4	30-150					8/25/18 10:44	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0965

Date Received: 7/24/2018

Field Sample #: B-P-9 (3.5-5.5)

Sampled: 7/24/2018 11:29

Sample ID: 18G0965-73

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 14:39	KAL
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 14:39	KAL
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 14:39	KAL
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 14:39	KAL
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 14:39	KAL
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 14:39	KAL
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 14:39	KAL
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 14:39	KAL
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 14:39	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		98.2	30-150					8/27/18 14:39	
Decachlorobiphenyl [2]		101	30-150					8/27/18 14:39	
Tetrachloro-m-xylene [1]		95.0	30-150					8/27/18 14:39	
Tetrachloro-m-xylene [2]		99.5	30-150					8/27/18 14:39	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0965

Date Received: 7/24/2018

Field Sample #: B-P-9 (3.5-5.5)

Sampled: 7/24/2018 11:29

Sample ID: 18G0965-73

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.4		% Wt	1		SM 2540G	8/29/18	8/30/18 18:07	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0965

Date Received: 7/24/2018

Field Sample #: B-P-9 (5.5-7.5)

Sampled: 7/24/2018 11:30

Sample ID: 18G0965-74

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 14:56	KAL
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 14:56	KAL
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 14:56	KAL
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 14:56	KAL
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 14:56	KAL
Aroclor-1254 [2]	0.26	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 14:56	KAL
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 14:56	KAL
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 14:56	KAL
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 14:56	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	94.9		30-150				8/27/18 14:56		
Decachlorobiphenyl [2]	99.1		30-150				8/27/18 14:56		
Tetrachloro-m-xylene [1]	90.5		30-150				8/27/18 14:56		
Tetrachloro-m-xylene [2]	94.1		30-150				8/27/18 14:56		



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0965

Date Received: 7/24/2018

Field Sample #: B-P-9 (5.5-7.5)

Sampled: 7/24/2018 11:30

Sample ID: 18G0965-74

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.4		% Wt	1		SM 2540G	8/29/18	8/30/18 18:08	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0965

Date Received: 7/24/2018

Field Sample #: B-P-9 (7.5-9.5)

Sampled: 7/24/2018 11:31

Sample ID: 18G0965-75

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 15:13	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 15:13	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 15:13	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 15:13	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 15:13	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 15:13	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 15:13	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 15:13	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 15:13	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		75.7	30-150					8/27/18 15:13	
Decachlorobiphenyl [2]		80.7	30-150					8/27/18 15:13	
Tetrachloro-m-xylene [1]		79.5	30-150					8/27/18 15:13	
Tetrachloro-m-xylene [2]		85.7	30-150					8/27/18 15:13	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0965

Date Received: 7/24/2018

Field Sample #: B-P-9 (7.5-9.5)

Sampled: 7/24/2018 11:31

Sample ID: 18G0965-75

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	72.4		% Wt	1		SM 2540G	8/29/18	8/30/18 18:08	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0965

Date Received: 7/24/2018

Field Sample #: B-P-9 (9.5-11.5)

Sampled: 7/24/2018 11:32

Sample ID: 18G0965-76

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 15:31	KAL
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 15:31	KAL
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 15:31	KAL
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 15:31	KAL
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 15:31	KAL
Aroclor-1254 [2]	0.29	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 15:31	KAL
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 15:31	KAL
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 15:31	KAL
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 15:31	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	91.9		30-150				8/27/18 15:31		
Decachlorobiphenyl [2]	96.1		30-150				8/27/18 15:31		
Tetrachloro-m-xylene [1]	84.3		30-150				8/27/18 15:31		
Tetrachloro-m-xylene [2]	91.1		30-150				8/27/18 15:31		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0965

Date Received: 7/24/2018

Field Sample #: B-P-9 (9.5-11.5)

Sampled: 7/24/2018 11:32

Sample ID: 18G0965-76

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.3		% Wt	1		SM 2540G	8/29/18	8/30/18 18:08	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0965

Date Received: 7/24/2018

Field Sample #: B-P-9 (11.5-13.5)

Sampled: 7/24/2018 11:33

Sample ID: 18G0965-77

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 15:48	KAL
Aroclor-1221 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 15:48	KAL
Aroclor-1232 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 15:48	KAL
Aroclor-1242 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 15:48	KAL
Aroclor-1248 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 15:48	KAL
Aroclor-1254 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 15:48	KAL
Aroclor-1260 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 15:48	KAL
Aroclor-1262 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 15:48	KAL
Aroclor-1268 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 15:48	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		103	30-150					8/27/18 15:48	
Decachlorobiphenyl [2]		106	30-150					8/27/18 15:48	
Tetrachloro-m-xylene [1]		95.0	30-150					8/27/18 15:48	
Tetrachloro-m-xylene [2]		101	30-150					8/27/18 15:48	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0965

Date Received: 7/24/2018

Field Sample #: B-P-9 (11.5-13.5)

Sampled: 7/24/2018 11:33

Sample ID: 18G0965-77

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.2		% Wt	1		SM 2540G	8/29/18	8/30/18 18:08	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0965

Date Received: 7/24/2018

Field Sample #: B-O-1 (5.5-7.5)

Sampled: 7/24/2018 09:05

Sample ID: 18G0965-78

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 16:05	KAL
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 16:05	KAL
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 16:05	KAL
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 16:05	KAL
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 16:05	KAL
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 16:05	KAL
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 16:05	KAL
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 16:05	KAL
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 16:05	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		101	30-150					8/27/18 16:05	
Decachlorobiphenyl [2]		105	30-150					8/27/18 16:05	
Tetrachloro-m-xylene [1]		92.9	30-150					8/27/18 16:05	
Tetrachloro-m-xylene [2]		97.1	30-150					8/27/18 16:05	



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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G0965

Date Received: 7/24/2018

Field Sample #: B-O-1 (5.5-7.5)

Sampled: 7/24/2018 09:05

Sample ID: 18G0965-78

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.3		% Wt	1		SM 2540G	8/29/18	8/30/18 18:08	MAT

**Sample Extraction Data**

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18G0965-53 [B-O-1 (3.5-5.5)]	B211398	08/29/18
18G0965-56 [B-C-1 (7.5-9.5)]	B211398	08/29/18
18G0965-57 [B-C-1 (9.5-11.5)]	B211398	08/29/18
18G0965-58 [B-C-1 (11.5-13.5)]	B211398	08/29/18
18G0965-59 [B-C-1 (13.5-15.5)]	B211398	08/29/18
18G0965-60 [B-C-1 (15.5-17.5)]	B211398	08/29/18
18G0965-63 [B-A-1 (7.5-9.5)]	B211398	08/29/18
18G0965-64 [B-A-1 (9.5-11.5)]	B211398	08/29/18
18G0965-65 [B-A-1 (11.5-13.5)]	B211398	08/29/18
18G0965-66 [B-A-1 (13.5-15.5)]	B211398	08/29/18
18G0965-67 [B-A-1 (15.5-17.5)]	B211398	08/29/18
18G0965-68 [B-A-1 (17.5-19.5)]	B211398	08/29/18
18G0965-69 [B-P-10 (3.5-5.5)]	B211398	08/29/18
18G0965-70 [B-P-10 (5.5-7.5)]	B211398	08/29/18
18G0965-71 [B-P-10 (7.5-9.5)]	B211398	08/29/18
18G0965-73 [B-P-9 (3.5-5.5)]	B211398	08/29/18
18G0965-74 [B-P-9 (5.5-7.5)]	B211398	08/29/18
18G0965-75 [B-P-9 (7.5-9.5)]	B211398	08/29/18
18G0965-76 [B-P-9 (9.5-11.5)]	B211398	08/29/18
18G0965-77 [B-P-9 (11.5-13.5)]	B211398	08/29/18
18G0965-78 [B-O-1 (5.5-7.5)]	B211398	08/29/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G0965-05 [B-P-8 (9.5-11.5)]	B209425	10.0	10.0	08/02/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G0965-53 [B-O-1 (3.5-5.5)]	B209427	10.1	10.0	08/02/18
18G0965-56 [B-C-1 (7.5-9.5)]	B209427	10.0	10.0	08/02/18
18G0965-57 [B-C-1 (9.5-11.5)]	B209427	10.2	10.0	08/02/18
18G0965-58 [B-C-1 (11.5-13.5)]	B209427	10.1	10.0	08/02/18
18G0965-59 [B-C-1 (13.5-15.5)]	B209427	10.1	10.0	08/02/18
18G0965-60 [B-C-1 (15.5-17.5)]	B209427	10.1	10.0	08/02/18
18G0965-63 [B-A-1 (7.5-9.5)]	B209427	10.0	10.0	08/02/18
18G0965-64 [B-A-1 (9.5-11.5)]	B209427	10.1	10.0	08/02/18
18G0965-65 [B-A-1 (11.5-13.5)]	B209427	10.0	10.0	08/02/18
18G0965-66 [B-A-1 (13.5-15.5)]	B209427	10.3	10.0	08/02/18
18G0965-67 [B-A-1 (15.5-17.5)]	B209427	10.2	10.0	08/02/18
18G0965-68 [B-A-1 (17.5-19.5)]	B209427	10.4	10.0	08/02/18
18G0965-69 [B-P-10 (3.5-5.5)]	B209427	10.1	10.0	08/02/18
18G0965-70 [B-P-10 (5.5-7.5)]	B209427	10.1	10.0	08/02/18
18G0965-71 [B-P-10 (7.5-9.5)]	B209427	10.1	10.0	08/02/18
18G0965-72 [B-P-10 (9.5-11.5)]	B209427	10.2	10.0	08/02/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G0965-73 [B-P-9 (3.5-5.5)]	B209428	10.0	10.0	08/02/18

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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

### Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G0965-74 [B-P-9 (5.5-7.5)]	B209428	10.0	10.0	08/02/18
18G0965-75 [B-P-9 (7.5-9.5)]	B209428	10.1	10.0	08/02/18
18G0965-76 [B-P-9 (9.5-11.5)]	B209428	10.0	10.0	08/02/18
18G0965-77 [B-P-9 (11.5-13.5)]	B209428	10.0	10.0	08/02/18
18G0965-78 [B-O-1 (5.5-7.5)]	B209428	10.0	10.0	08/02/18

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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209425 - SW-846 3540C</b>										
<b>Blank (B209425-BLK1)</b>										
Prepared: 08/02/18 Analyzed: 08/25/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.164		mg/Kg wet	0.200		81.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.173		mg/Kg wet	0.200		86.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.190		mg/Kg wet	0.200		94.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.200		mg/Kg wet	0.200		100	30-150			
<b>LCS (B209425-BS1)</b>										
Prepared: 08/02/18 Analyzed: 08/25/18										
Aroclor-1016	0.20	0.020	mg/Kg wet	0.200		99.9	40-140			
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		99.5	40-140			
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		86.5	40-140			
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		94.0	40-140			
Surrogate: Decachlorobiphenyl	0.184		mg/Kg wet	0.200		91.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.194		mg/Kg wet	0.200		96.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.196		mg/Kg wet	0.200		98.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.206		mg/Kg wet	0.200		103	30-150			
<b>LCS Dup (B209425-BSD1)</b>										
Prepared: 08/02/18 Analyzed: 08/25/18										
Aroclor-1016	0.21	0.020	mg/Kg wet	0.200		103	40-140	3.14	30	
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		101	40-140	1.50	30	
Aroclor-1260	0.19	0.020	mg/Kg wet	0.200		93.7	40-140	8.07	30	
Aroclor-1260 [2C]	0.20	0.020	mg/Kg wet	0.200		98.8	40-140	4.96	30	
Surrogate: Decachlorobiphenyl	0.201		mg/Kg wet	0.200		100	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.211		mg/Kg wet	0.200		105	30-150			
Surrogate: Tetrachloro-m-xylene	0.192		mg/Kg wet	0.200		95.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.208		mg/Kg wet	0.200		104	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B209427 - SW-846 3540C**

**Blank (B209427-BLK1)**

Prepared: 08/02/18 Analyzed: 08/25/18

Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.197		mg/Kg wet	0.200		98.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.224		mg/Kg wet	0.200		112	30-150			
Surrogate: Tetrachloro-m-xylene	0.197		mg/Kg wet	0.200		98.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.207		mg/Kg wet	0.200		104	30-150			

**LCS (B209427-BS1)**

Prepared: 08/02/18 Analyzed: 08/25/18

Aroclor-1016	0.20	0.020	mg/Kg wet	0.200		98.9	40-140			
Aroclor-1016 [2C]	0.21	0.020	mg/Kg wet	0.200		104	40-140			
Aroclor-1260	0.19	0.020	mg/Kg wet	0.200		95.3	40-140			
Aroclor-1260 [2C]	0.21	0.020	mg/Kg wet	0.200		104	40-140			
Surrogate: Decachlorobiphenyl	0.200		mg/Kg wet	0.200		99.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.227		mg/Kg wet	0.200		113	30-150			
Surrogate: Tetrachloro-m-xylene	0.196		mg/Kg wet	0.200		98.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.207		mg/Kg wet	0.200		104	30-150			

**LCS Dup (B209427-BSD1)**

Prepared: 08/02/18 Analyzed: 08/25/18

Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		90.9	40-140	8.48	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		90.0	40-140	14.0	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		85.6	40-140	10.8	30	
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		93.4	40-140	10.8	30	
Surrogate: Decachlorobiphenyl	0.178		mg/Kg wet	0.200		89.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.203		mg/Kg wet	0.200		102	30-150			
Surrogate: Tetrachloro-m-xylene	0.179		mg/Kg wet	0.200		89.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.185		mg/Kg wet	0.200		92.7	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209428 - SW-846 3540C</b>										
<b>Blank (B209428-BLK1)</b>										
Prepared: 08/02/18 Analyzed: 08/27/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.227		mg/Kg wet	0.200		114	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.233		mg/Kg wet	0.200		116	30-150			
Surrogate: Tetrachloro-m-xylene	0.203		mg/Kg wet	0.200		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.200		mg/Kg wet	0.200		100	30-150			
<b>LCS (B209428-BS1)</b>										
Prepared: 08/02/18 Analyzed: 08/27/18										
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		96.3	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		97.1	40-140			
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		90.4	40-140			
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		94.4	40-140			
Surrogate: Decachlorobiphenyl	0.203		mg/Kg wet	0.200		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.209		mg/Kg wet	0.200		104	30-150			
Surrogate: Tetrachloro-m-xylene	0.192		mg/Kg wet	0.200		96.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.195		mg/Kg wet	0.200		97.5	30-150			
<b>LCS Dup (B209428-BSD1)</b>										
Prepared: 08/02/18 Analyzed: 08/27/18										
Aroclor-1016	0.21	0.020	mg/Kg wet	0.200		105	40-140	8.86	30	
Aroclor-1016 [2C]	0.21	0.020	mg/Kg wet	0.200		106	40-140	9.18	30	
Aroclor-1260	0.20	0.020	mg/Kg wet	0.200		102	40-140	11.9	30	
Aroclor-1260 [2C]	0.21	0.020	mg/Kg wet	0.200		105	40-140	10.2	30	
Surrogate: Decachlorobiphenyl	0.227		mg/Kg wet	0.200		113	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.233		mg/Kg wet	0.200		117	30-150			
Surrogate: Tetrachloro-m-xylene	0.207		mg/Kg wet	0.200		104	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.210		mg/Kg wet	0.200		105	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B209428 - SW-846 3540C**

**Matrix Spike (B209428-MS1)**

**Source: 18G0965-73**

Prepared: 08/02/18 Analyzed: 08/27/18

Aroclor-1016	0.25	0.089	mg/Kg dry	0.224	ND	110	40-140			
Aroclor-1016 [2C]	0.27	0.089	mg/Kg dry	0.224	ND	120	40-140			
Aroclor-1260	0.20	0.089	mg/Kg dry	0.224	ND	90.7	40-140			
Aroclor-1260 [2C]	0.21	0.089	mg/Kg dry	0.224	ND	95.4	40-140			
Surrogate: Decachlorobiphenyl	0.203		mg/Kg dry	0.224		90.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.213		mg/Kg dry	0.224		95.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.210		mg/Kg dry	0.224		94.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.226		mg/Kg dry	0.224		101	30-150			

**Matrix Spike Dup (B209428-MSD1)**

**Source: 18G0965-73**

Prepared: 08/02/18 Analyzed: 08/27/18

Aroclor-1016	0.24	0.089	mg/Kg dry	0.224	ND	108	40-140	2.14	50	
Aroclor-1016 [2C]	0.25	0.089	mg/Kg dry	0.224	ND	110	40-140	8.75	50	
Aroclor-1260	0.21	0.089	mg/Kg dry	0.224	ND	94.2	40-140	3.78	50	
Aroclor-1260 [2C]	0.22	0.089	mg/Kg dry	0.224	ND	98.9	40-140	3.53	50	
Surrogate: Decachlorobiphenyl	0.210		mg/Kg dry	0.224		93.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.219		mg/Kg dry	0.224		97.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.210		mg/Kg dry	0.224		93.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.229		mg/Kg dry	0.224		102	30-150			

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**QUALITY CONTROL**

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B211398 - % Solids**

**Duplicate (B211398-DUP1)**

**Source: 18G0965-53**

Prepared: 08/29/18 Analyzed: 08/30/18

% Solids	86.8		% Wt		87.9			1.18	20	
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**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-1 (9.5-11.5)**

*SW-846 8082A*

Lab Sample ID: 18G0965-57 Date(s) Analyzed: 08/25/2018 08/25/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.7	
	2	0.000	-0.030	0.030	2.7	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-A-1 (15.5-17.5)**

*SW-846 8082A*

Lab Sample ID: 18G0965-67 Date(s) Analyzed: 08/25/2018 08/25/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.64	
	2	0.000	-0.030	0.030	0.63	1.6

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-P-10 (5.5-7.5)**

*SW-846 8082A*

Lab Sample ID: 18G0965-70 Date(s) Analyzed: 08/25/2018 08/25/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.39	
	2	0.000	-0.030	0.030	0.37	5.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-P-9 (5.5-7.5)**

*SW-846 8082A*

Lab Sample ID: 18G0965-74 Date(s) Analyzed: 08/27/2018 08/27/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.25	
	2	0.000	-0.030	0.030	0.26	3.9

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-P-9 (9.5-11.5)**

*SW-846 8082A*

Lab Sample ID: 18G0965-76 Date(s) Analyzed: 08/27/2018 08/27/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.28	
	2	0.000	-0.030	0.030	0.29	3.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

<b>LCS</b>
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*SW-846 8082A*

Lab Sample ID:                   B209425-BS1                                        Date(s) Analyzed:           08/25/2018                     08/25/2018          

Instrument ID (1):                   ECD10                                        Instrument ID (2):                   ECD10                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.20	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.19	11.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

*SW-846 8082A*

Lab Sample ID:                   B209425-BSD1                                        Date(s) Analyzed:           08/25/2018                     08/25/2018          

Instrument ID (1):                   ECD10                                        Instrument ID (2):                   ECD10                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.20	4.9
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.20	5.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

LCS
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Lab Sample ID:                     B209427-BS1                                          Date(s) Analyzed:           08/25/2018                     08/25/2018          

Instrument ID (1):                     ECD 9                                          Instrument ID (2):                     ECD 9                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.21	4.9
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.21	10.0



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

*SW-846 8082A*

Lab Sample ID:                   B209427-BSD1                                        Date(s) Analyzed:           08/25/2018                     08/25/2018          

Instrument ID (1):                   ECD 9                                        Instrument ID (2):                   ECD 9                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.18	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.19	11.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

<b>LCS</b>
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*SW-846 8082A*

Lab Sample ID:                   B209428-BS1                                        Date(s) Analyzed:           08/27/2018                     08/27/2018          

Instrument ID (1):                   ECD10                                        Instrument ID (2):                   ECD10                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.19	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.19	5.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

*SW-846 8082A*

Lab Sample ID:                     B209428-BSD1                                          Date(s) Analyzed:           08/27/2018                     08/27/2018          

Instrument ID (1):                     ECD10                                          Instrument ID (2):                     ECD10                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.21	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.21	4.9

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**Matrix Spike**

Lab Sample ID: B209428-MS1 Date(s) Analyzed: 08/27/2018 08/27/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.25	
	2	0.000	-0.030	0.030	0.27	7.7
Aroclor-1260	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.21	4.9

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**Matrix Spike Dup**

Lab Sample ID: B209428-MSD1 Date(s) Analyzed: 08/27/2018 08/27/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.24	
	2	0.000	-0.030	0.030	0.25	4.1
Aroclor-1260	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.22	4.7

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**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
O-32	A dilution was performed as part of the standard analytical procedure.

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<i>SW-846 8082A in Soil</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

Phone: 413-525-2332  
 Fax: 413-525-6405  
 Email: info@contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street  
 East Longmeadow, MA 01028

Company Name: **Weston + Sampson**  
 Address: **5 Courant Dr.**  
 Phone: **1-800-SAMPSON**  
 Project Name: **Coming pits**  
 Project Location: **Comerville**  
 Project Number:  
 Project Manager: **Joe Spencer**  
 Con-Test Quote Name/Number:  
 Invoice Recipient: **Taylor Smith**  
 Sampled By:

**Requested Turnaround Time**  
 7-Day  10-Day   
 Due Date:

**Rush-Approval Required**  
 1-Day  3-Day   
 2-Day  4-Day

**Date Delivery**  
 Format: PDF  EXCEL   
 Other:  
 CLP Like Data Pkg Required:   
 Email To: **Spencer.J@weston.com**  
 Fax To #:

ANALYSIS REQUESTED

# of Containers  
 Preservation Code  
 Container Code

**Dissolved Metals Samples**  
 Field Filtered  
 Lab to Filter

**Orthophosphate Samples**  
 Field Filtered  
 Lab to Filter

Con-Test Work Order	Client Sample ID & Description	Sample Date	Sample Time	Analysis	Result	Notes	PCBs (Soxhlet)	Lead
	B-R-11 (0-0.5)	7/23	8:30	✓	S	L	✓	✓
	B-R-11 (0.5-1.5)	"	8:31	✓	S	L	✓	✓
	B-R-11 (1.5-2.5)	"	8:32	✓	S	L	✓	✓
	B-A-11 (2.5-3.5)	"	8:33	✓	S	L	✓	✓
	B-R-11 (3.5-5.5)	"	8:34	✓	S	L	✓	✓
	B-R-11 (5.5-7.5)	"	8:35	✓	S	L	✓	✓
	B-Q-11 (0-0.5)	"	8:45	✓	S	L	✓	✓
	B-Q-11 (0.5-1.5)	"	8:46	✓	S	L	✓	✓
	B-Q-11 (1.5-2.5)	"	8:47	✓	S	L	✓	✓
	B-Q-11 (2.5-3.5)	"	8:48	✓	S	L	✓	✓

**Matrix Codes:**  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

**Preservation Codes:**  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

**Container Codes:**  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

Comments: hold samples w/no checked analyses

Activate samples per attached email - MEK 8/23/2018


Indicate possible sample concentration of column above:  
 C = Clean; U = Unknown

Relinquished by: (signature) *[Signature]* Date/Time: 7/24/18 16:15  
 Received by: (signature) *[Signature]* Date/Time: 7/24/18 16:15  
 Relinquished by: (signature) *[Signature]* Date/Time: 7/24/18 20:00  
 Received by: (signature) *[Signature]* Date/Time: 7/24/18 20:00  
 Relinquished by: (signature) *[Signature]* Date/Time: 7/24/18 20:00  
 Received by: (signature) *[Signature]* Date/Time: 7/24/18 20:00

**Detection Limit Requirements**  
 MA S-1

**Special Requirements**  
 MA MCP Required  
 MCP Certification Form Required  
 CT RCP Required  
 RCP Certification Form Required  
 MA State DW Required  
 Other: PWSID #

**Project Entity**  
 Government  Municipality  MWRA  WRTA  
 Federal  21 J  School  MBTA  
 City  Brownfield



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**PCB ONLY**  
 Soxhlet  
 Non Soxhlet



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39 Spruce Street  
 East Longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

Requested Turnaround Time  
 7-Day  10-Day

Company Name: **Con-Test Analytical Laboratory**

Address: **Con-Test Analytical Laboratory**

Project Name: **Con-Test Analytical Laboratory**

Project Location: **Con-Test Analytical Laboratory**

Project Number: **Con-Test Analytical Laboratory**

Project Manager: **Con-Test Analytical Laboratory**

Con-Test Quote Name/Number: **Con-Test Analytical Laboratory**

Invoice Recipient: **Con-Test Analytical Laboratory**

Sampled By: **Con-Test Analytical Laboratory**

Con-Test Work Order: **Con-Test Analytical Laboratory**

Client Name: **Con-Test Analytical Laboratory**

Client Address: **Con-Test Analytical Laboratory**

Client City: **Con-Test Analytical Laboratory**

Client State: **Con-Test Analytical Laboratory**

Client Zip: **Con-Test Analytical Laboratory**

Client Phone: **Con-Test Analytical Laboratory**

Client Email: **Con-Test Analytical Laboratory**

Client Contact: **Con-Test Analytical Laboratory**

Client Title: **Con-Test Analytical Laboratory**

Client Fax: **Con-Test Analytical Laboratory**

Client Website: **Con-Test Analytical Laboratory**

Client Other: **Con-Test Analytical Laboratory**

Client Notes: **Con-Test Analytical Laboratory**

Client Comments: **Con-Test Analytical Laboratory**

Client Signature: **Con-Test Analytical Laboratory**

Client Date: **Con-Test Analytical Laboratory**

Client Time: **Con-Test Analytical Laboratory**

Client Initials: **Con-Test Analytical Laboratory**

Client Stamp: **Con-Test Analytical Laboratory**

Client Seal: **Con-Test Analytical Laboratory**

Client Markings: **Con-Test Analytical Laboratory**

Client Other: **Con-Test Analytical Laboratory**

Client Comments: **Con-Test Analytical Laboratory**

Client Signature: **Con-Test Analytical Laboratory**

Client Date: **Con-Test Analytical Laboratory**

Client Time: **Con-Test Analytical Laboratory**

Client Initials: **Con-Test Analytical Laboratory**

Client Stamp: **Con-Test Analytical Laboratory**

Client Seal: **Con-Test Analytical Laboratory**

Client Markings: **Con-Test Analytical Laboratory**

Client Other: **Con-Test Analytical Laboratory**

Client Comments: **Con-Test Analytical Laboratory**

Client Signature: **Con-Test Analytical Laboratory**

Client Date: **Con-Test Analytical Laboratory**



**ANALYSIS REQUESTED**

Con-Test Work Order	Client Name	Client Address	Client City	Client State	Client Zip	Client Phone	Client Email	Client Contact	Client Title	Client Fax	Client Website	Client Other	Client Comments
B-P-8 (0.5-1.5)													
B-P-8 (1.5-2.5)													
B-P-8 (2.5-3.5)													
B-P-8 (3.5-5.5)													
B-P-8 (5.5-7.5)													
B-P-8 (9.5-11.5)													
B-O-3 (0-0.5)													
B-O-3 (0.5-1.5)													
B-O-3 (1.5-2.5)													
B-O-3 (2.5-3.5)													

Comments: **Samples w/ no analyses detected to be 4/10**

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) **7/24**  
 Date/Time: **7/24/18 16:18**

Received by: (signature) **7/24/18 16:18**  
 Date/Time: **7/24/18 16:18**

Relinquished by: (signature) **7/24/18 16:18**  
 Date/Time: **7/24/18 16:18**

Received by: (signature) **7/24/18 16:18**  
 Date/Time: **7/24/18 16:18**

Relinquished by: (signature) **7/24/18 16:18**  
 Date/Time: **7/24/18 16:18**

Received by: (signature) **7/24/18 16:18**  
 Date/Time: **7/24/18 16:18**

**Special Requirements:**

MA MCP Required

MCP Certification Form Required

CT RCP Required

RCP Certification Form Required

MA State DW Required

**PWSID #**

**Matrix Codes:**  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

**Preservation Codes:**  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

**Container Codes:**  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

**PCB ONLY**  
 Soxhlet  
 Non Soxhlet





Company Name: **CONWAY**  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Project Name: \_\_\_\_\_  
 Project Location: \_\_\_\_\_  
 Project Number: \_\_\_\_\_  
 Project Manager: \_\_\_\_\_  
 Con-Test Quote Name/Number: \_\_\_\_\_  
 Invoice Recipient: \_\_\_\_\_  
 Sampled By: \_\_\_\_\_

Con-Test Work Order	Client Sample ID / Description	Requested Turnaround Time	Analysis Requested	Matrix Code	Preservation Code	Container Code
B-Q-4 (0.5-1.5)	7/23	9:31	✓	L		
B-Q-4 (1.5-2.6)		9:32	✓	L		
B-Q-4 (2.5-3.8)		9:33	✓	L		
B-Q-4 (3.5-5.8)		9:34	✓	L		
B-Q-8 (0-0.9)		11:10	✓	L		
B-Q-8 (0.5-1.5)		11:11	✓	L		
B-Q-8 (1.5-2.5)		11:12	✓	L		
B-Q-8 (2.5-3.7)		11:13	✓	L		
B-Q-8 (3.5-5.5)		11:14	✓	L		
B-Q-8 (5.5-7.5)		11:15	✓	L		

Comments: \_\_\_\_\_

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Requested Turnaround Time:  7-Day  10-Day

Due Date: \_\_\_\_\_

Push-Approvals Required:  1-Day  3-Day  2-Day  4-Day

Data Delivery:  PDF  EXCEL  Other: \_\_\_\_\_

CLP Like Data Pkg Required:

Email To: \_\_\_\_\_

Fax To #: \_\_\_\_\_

Detection Limits Requirements:  MA MCP Required  MA State DW Required

MCP Certification Form Required:

CT RCP Required:

RCP Certification Form Required:

PWSID #: \_\_\_\_\_

Project Entity:  Government  Municipality  MWRA  WRTA  Federal  21 J  School  City  Brownfield  MBTA  Other  Chromatogram  AIMA-LAP, LLC

Requisitioned by: (signature) \_\_\_\_\_ Date/Time: 7/24/18 2:00  
 Received by: (signature) \_\_\_\_\_ Date/Time: 7/24/18 2:00  
 Requisitioned by: (signature) \_\_\_\_\_ Date/Time: 7/24/18 2:00  
 Received by: (signature) \_\_\_\_\_ Date/Time: 7/24/18 2:00  
 Requisitioned by: (signature) \_\_\_\_\_ Date/Time: 7/24/18 2:00  
 Received by: (signature) \_\_\_\_\_ Date/Time: 7/24/18 2:00

Special Requirements: \_\_\_\_\_

MA MCP Required:

MCP Certification Form Required:

CT RCP Required:

RCP Certification Form Required:

MA State DW Required:

PWSID #: \_\_\_\_\_

Project Entity:  Government  Municipality  MWRA  WRTA  Federal  21 J  School  City  Brownfield  MBTA  Other  Chromatogram  AIMA-LAP, LLC

1 Matrix Codes:  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

2 Preservation Codes:  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiocyanate  
 O = Other (please define)

3 Container Codes:  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

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CHAIN OF CUSTODY RECORD

Doc # 381 Rev 1\_03242017

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Company Name: CONWAY  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Project Name: \_\_\_\_\_  
 Project Location: \_\_\_\_\_  
 Project Number: \_\_\_\_\_  
 Project Manager: \_\_\_\_\_  
 Con-Test Quote Name/Number: \_\_\_\_\_  
 Invoice Recipient: \_\_\_\_\_  
 Sampled By: \_\_\_\_\_

Requested Turnaround Time:  7-Day  10-Day   
 Due Date: \_\_\_\_\_

Analysis Requested:  1-Day  3-Day   
 2-Day  4-Day

Format:  PDF  EXCEL  
 Other: \_\_\_\_\_

CLP Like Data Plg Required:   
 Email To: \_\_\_\_\_  
 Fax To #: \_\_\_\_\_

Con-Test Work Order #	Client Sample ID / Description	Sample Date	Analysis Requested	Matrix Code	Preservation Code	Container Code
18	B-S-11 (1.5-2.5)	7/23	12:02	S		
19	B-S-11 (2.5-3.5)	"	12:03	S		
20	B-S-11 (3.5-5.5)	"	12:04	S		
	B-S-11 (5.5-7.5)	"	12:05	S		
	B-S-11 (7.5-9.5)	"	12:06	S		
	B-S-7 (0-0.5)	"	12:30	S		
	B-S-7 (0.5-1.5)	"	12:31	S		
	B-S-7 (1.5-2.5)	"	12:32	S		
	B-S-7 (2.5-3.5)	"	12:33	S		
21	B-S-7 (3.5-5.5)	"	12:34	S		

Comments: Samples with NO checked addresses to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Special Requirements:  MA MCP Required  MA State DW Required  
 MCP Certification Form Required  PWSID #  
 CT RCP Required

Project Entity:  Government  Municipality  MWRA  WRTA  Other  
 Federal  21 J  School  AHA-LAP, LLC  
 City  Brownfield  MBTA

Requisitioned by: (signature) \_\_\_\_\_ Date/Time: 7/24  
 Received by: (signature) \_\_\_\_\_ Date/Time: 7/24/08  
 Requisitioned by: (signature) \_\_\_\_\_ Date/Time: 7/24/08  
 Received by: (signature) \_\_\_\_\_ Date/Time: 7/24/08  
 Requisitioned by: (signature) \_\_\_\_\_ Date/Time: 7/24/08  
 Received by: (signature) \_\_\_\_\_ Date/Time: 7/24/08

con-test ANALYTICAL LABORATORY  
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 http://www.contestlabs.com  
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 Fax: 413-525-6405  
 Email: info@contestlabs.com

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39 Spruce Street  
 East Longmeadow, MA 01028

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Company Name: CONSUM  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Project Name: \_\_\_\_\_  
 Project Location: \_\_\_\_\_  
 Project Number: \_\_\_\_\_  
 Project Manager: \_\_\_\_\_  
 Con-Test Quote Name/Number: \_\_\_\_\_  
 Invoice Recipient: \_\_\_\_\_  
 Sampled By: \_\_\_\_\_

Con-Test Work Order #	Client Sample ID (as provided)	Sample Date	Sample Time	Analysis Requested	Special Requirements	Special Requirements
23	B-S-7(5.5-7.5)	7/23	13:35	L S	MA	MA MCP Required
	B-S-6(0.05)		13:05			MCP Certification Form Required
	B-S-6(0.5-1.5)		13:06			CT RCP Required
	B-S-6(1.5-2.5)		13:07			RCP Certification Form Required
	B-S-6(2.5-3.5)		13:07			
23	B-S-6(3.5-5.5)		13:09			
24	B-S-6(5.5-7.5)		13:10			
	B-R-7(0-0.5)		13:21			
	B-R-7(0.5-1.5)		13:22			
	B-R-7(1.5-2.5)		13:23			

Comments: Samples with no checked analyses to be held

Please use the following codes to indicate possible sample concentration within the Cont Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Requisitioned by: (signature) \_\_\_\_\_ Date/Time: 7/27/18 10:29  
 Received by: (signature) \_\_\_\_\_ Date/Time: 7/18/18 10:15  
 Requisitioned by: (signature) \_\_\_\_\_ Date/Time: 7/24/18  
 Received by: (signature) \_\_\_\_\_ Date/Time: 7/24/18 2:00  
 Requisitioned by: (signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Received by: (signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Special Requirements:  
 MA MCP Required  
 MCP Certification Form Required  
 CT RCP Required  
 RCP Certification Form Required  
 MA State DW Required  
 PWSID # \_\_\_\_\_

Detection Limit Requirements:  
 MA  
 CT

Project Entity:  
 Government  
 Federal  
 City  
 Municipality  
 21 J  
 Brownfield  
 MWRA  
 School  
 MBTA  
 WRTA  
 Chromatogram  
 AHA-LAP, LLC  
 Other \_\_\_\_\_





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 CHAIN OF CUSTODY RECORD

Doc # 381 Rev 1\_03242017  
 39 Spruce Street  
 East Longmeadow, MA 01028

Page 8 of 19

**Company Name:** [Redacted]  
**Address:** [Redacted]  
**Phone:** [Redacted]  
**Project Name:** [Redacted]  
**Project Location:** [Redacted]  
**Project Number:** [Redacted]  
**Project Manager:** [Redacted]  
**Con-Test Quote Name/Number:** [Redacted]  
**Invoice Recipient:** [Redacted]  
**Sampled By:** [Redacted]

**Requested Turnaround Time:** 7-Day  10-Day   
**Due Date:** [Redacted]

**Fast Approval Required:** 1-Day  3-Day  2-Day  4-Day   
**Date Delivery:** [Redacted]

**Format:** PDF  EXCEL   
**Other:** [Redacted]

**CLP Like Data Pkg Required:**   
**Email To:** [Redacted]  
**Fax To #:** [Redacted]

Con-Test Mark Order #	Client Sample ID	Concentration	Analysis Requested	Matrix Code	Preservation Code	Container Code
25	B-R-7 (2.5-3.5)	7/23				
26	B-R-7 (3.5-5.5)	"				
27	B-R-7 (5.5-7.5)	"				
28	B-R-6 (2.5-3.5)	"				
29	B-R-6 (3.5-5.5)	"				
30	B-R-6 (5.5-7.5)	"				

**Comments:** Samples w/ no checked analyses are to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

**Matrix Codes:**  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

**Preservation Codes:**  
 F = Ficeb  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

**Container Codes:**  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tediator Bag  
 O = Other (please define)

**PCB ONLY:**  
 Soxhlet  
 Non Soxhlet

**con-test ANALYTICAL LABORATORY**

**Detection Limits Requirements:** MA MCP Required  MA MCP Required   
 MCP Certification Form Required  CT RCP Required   
 MCP Certification Form Required  MA State DW Required   
 PWSID # [Redacted]

**Project Entity:** Government  Municipality  MWRA  WRTA   
 Federal  21 J  School  MBTA   
 City  Brownfield

**Relinquished by (Signature):** [Signature] Date/Time: 7/24  
**Received by (Signature):** [Signature] Date/Time: 7/24/18 16:15  
**Relinquished by (Signature):** [Signature] Date/Time: 7/24/18 20:00  
**Received by (Signature):** [Signature] Date/Time: 7/24/18 20:00  
**Relinquished by (Signature):** [Signature] Date/Time: 7/24/18 20:00  
**Received by (Signature):** [Signature] Date/Time: 7/24/18 20:00

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**Company Name:** [Redacted]  
**Address:** [Redacted]  
**Phone:** [Redacted]  
**Project Name:** [Redacted]  
**Project Location:** [Redacted]  
**Project Number:** [Redacted]  
**Project Manager:** [Redacted]  
**Con-Test Quote Name/Number:** [Redacted]  
**Invoice Recipient:** [Redacted]  
**Sampled By:** [Redacted]

Con-Test Work Order	Client Sample ID / Description	Sample Date	Matrix Code	Preservation Code	Container Code	Analysis Requested
30	B-S-3 (3.5-5.5)	7/23	S	L		
	B-S-3 (2.5-3.5)		S	L		
	B-S-3 (1.5-2.5)		S	L		
	B-S-3 (0.5-1.5)		S	L		
	B-S-3 (0-0.5)		S	L		
31	B-S-3 (5.5-7.5)		S	L		
	B-S-4 (0-0.5)		S	L		
	B-S-4 (0.5-1.5)		S	L		
	B-S-4 (1.5-2.5)		S	L		
	B-S-4 (2.5-3.5)		S	L		

**Requested Turnaround Time:** 7-Day  10-Day   
**Due Date:** [Redacted]  
**Analysis Requested:** [Redacted]  
**Format:** PDF  EXCEL   
**Other:** [Redacted]  
**CLP Like Data Pkg Required:**   
**Email To:** [Redacted]  
**Fax To #:** [Redacted]

**Comments:** Samples w/ no analyses checked to be held

Please use the following codes to indicate possible sample concentration within the Core Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

**Relinquished by (Signature):** [Signature] **Date/Time:** 7/24/18  
**Received by (Signature):** [Signature] **Date/Time:** 7/24/18 16:15  
**Relinquished by (Signature):** [Signature] **Date/Time:** 7/24/18 2:00  
**Received by (Signature):** [Signature] **Date/Time:** 7/24/18 2:00

**Special Requirements:**  
 MA MCP Required  MA MCP Required   
 MCP Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 MA State DW Required   
 PWSID # [Redacted]

**Project Entity:**  
 Government  Municipality  MWRA  WRTA   
 Federal  21 J  School   
 City  Brownfield  MBTA

**Other:** Chromatogram  AIMA-LAP, LLC







**Company Name:** CONWAY  
**Address:**  
**Phone:**  
**Project Name:**  
**Project Location:**  
**Project Number:**  
**Project Manager:**  
**Con-Test Quote Name/Number:**  
**Invoice Recipient:**  
**Sampled By:**

Con-Test Work Order	Client/Project Description	Sample ID	Sample Date	Sample Location	Matrix Code	Analysis Requested	Field Filtered	Lab to Filter
32	B-S-9 (3.5-5.5)	1449	7/23		S			
33	B-S-4 (5.5-7.5)	1450	"		L			
	B-S-5 (0-0.5)	1415						
	B-S-5 (0.5-1.5)	1416						
	B-S-5 (1.5-2.5)	1417						
	B-S-5 (2.5-3.5)	1418						
34	B-S-5 (3.5-5.5)	1419						
35	B-S-5 (5.5-7.5)	1420						
	B-R-5 (0-0.5)	1400						
	B-R-5 (0.5-1.5)	1401						

**Requested Turnaround Time:** 7-Day  10-Day   
**Due Date:**  
**Matrix Code:**  3-Day   4-Day   
**Other:** PDF  EXCEL   
**CLP Like Data Pkg Required:**   
**Email To:**  
**Fax To #:**

**Special Requirements:**  
 MA MCP Required   
 MCP Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 MA State DW Required   
 PWSID #

**Project Entry:**  
 Government  Municipality  MWRA  Chromatogram  
 Federal  21 J  School  WRTA  AIHA-LAP, LLC  
 City  Brownfield  MBTA  Other

**Comments:**  
 Samples w/ no checked analytes to be held

**Received by (Signature):** [Signature] **Date/Time:** 7/24/18  
**Relinquished by (Signature):** [Signature] **Date/Time:** 7/24/18 2:00  
**Received by (Signature):** [Signature] **Date/Time:** 7/24/18 2:00  
**Relinquished by (Signature):** [Signature] **Date/Time:** 7/24/18 2:00

**Received by (Signature):** [Signature] **Date/Time:** 7/24/18 2:00  
**Relinquished by (Signature):** [Signature] **Date/Time:** 7/24/18 2:00





18609105  
 Phone: 413-525-2332  
 Fax: 413-525-6405  
 Email: info@contestlabs.com

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 39 Spruce Street  
 East Longmeadow, MA 01028

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<b>Company Name:</b> Address: Phone: Project Name: Project Location: Project Number: Project Manager: Con-Test Quote Name/Number: Invoice Recipient: Sampled By:		Requested Turnaround Time: 7-Day <input type="checkbox"/> 10-Day <input type="checkbox"/> Due Date:		Rush Approval Required: 1-Day <input type="checkbox"/> 3-Day <input type="checkbox"/> 2-Day <input type="checkbox"/> 4-Day <input type="checkbox"/> Data Delivery: Format: PDF <input type="checkbox"/> EXCEL <input type="checkbox"/> Other:		CLP Like Data Pkg Required: <input type="checkbox"/> Email To: Fax To #:		ANALYSIS REQUESTED		# of Containers Preservation Code Container Code Dissolved Water Samples <input type="radio"/> Field Filtered <input type="radio"/> Lab to Filter Original Plate Samples <input type="radio"/> Field Filtered <input type="radio"/> Lab to Filter	
Con-Test Work Order # 40	Client Sample ID / Description B-Q-9 (25-9.5)	Requesting Date/Time 7/23 9:36	Estimated Turnaround 9:36	Matrix Code S	Matrix Codes: GW = Ground Water WW = Waste Water DW = Drinking Water A = Air S = Soil SL = Sludge SOL = Solid O = Other (please define)	Preservation Codes: 1 = Iced H = HCL M = Methanol N = Nitric Acid S = Sulfuric Acid B = Sodium Bisulfate X = Sodium Hydroxide T = Sodium Thiosulfate O = Other (please define)	Container Codes: A = Amber Glass G = Glass P = Plastic ST = Sterile V = Vial S = Summa Canister T = Tedlar Bag O = Other (please define)	PCB ONLY <input checked="" type="checkbox"/> Soxhlet <input type="checkbox"/> Non Soxhlet			
Con-Test Work Order # 41	Client Sample ID / Description B-R-11 (35-55)	Requesting Date/Time 8:30	Estimated Turnaround 8:30	Matrix Code S							
Con-Test Work Order # 42	Client Sample ID / Description B-R-11 (0.5-1.5)	Requesting Date/Time 8:31	Estimated Turnaround 8:31	Matrix Code S							
	Client Sample ID / Description B-R-11 (1.5-2.5)	Requesting Date/Time 8:32	Estimated Turnaround 8:32	Matrix Code S							
	Client Sample ID / Description B-R-11 (2.5-3.5)	Requesting Date/Time 8:33	Estimated Turnaround 8:33	Matrix Code S							
	Client Sample ID / Description B-R-11 (5.5-7.5)	Requesting Date/Time 8:45	Estimated Turnaround 8:45	Matrix Code S							
	Client Sample ID / Description B-Q-11 (0.5-1.5)	Requesting Date/Time 8:46	Estimated Turnaround 8:46	Matrix Code S							
	Client Sample ID / Description B-Q-11 (1.5-2.5)	Requesting Date/Time 8:47	Estimated Turnaround 8:47	Matrix Code S							
Comments: Samples w/ no needed analyses those had		Please use the following codes to indicate possible sample concentration within the Conc Code column above: H - High; M - Medium; L - Low; C - Clean; U - Unknown									
Relinquished by (Signature) [Signature]	Date/Time: 7/24	Detection Limit Requirements MA		Special Requirements MA MCP Required <input type="checkbox"/> MCP Certification Form Required <input type="checkbox"/> CT RCP Required <input type="checkbox"/> RCP Certification Form Required <input type="checkbox"/> MA State DW Required <input type="checkbox"/>		PWSID #		con-test ANALYTICAL LABORATORY www.con-testlabs.com		Other <input type="checkbox"/> Chromatogram <input type="checkbox"/> WRTA <input type="checkbox"/> MWRA <input type="checkbox"/> School <input type="checkbox"/> MBTA	
Relinquished by (Signature) [Signature]	Date/Time: 7/24/18	Detection Limit Requirements CT		Special Requirements MA MCP Required <input type="checkbox"/> MCP Certification Form Required <input type="checkbox"/> CT RCP Required <input type="checkbox"/> RCP Certification Form Required <input type="checkbox"/> MA State DW Required <input type="checkbox"/>		PWSID #		con-test ANALYTICAL LABORATORY www.con-testlabs.com		Other <input type="checkbox"/> Chromatogram <input type="checkbox"/> WRTA <input type="checkbox"/> MWRA <input type="checkbox"/> School <input type="checkbox"/> MBTA	
Relinquished by (Signature) [Signature]	Date/Time: 7/24/18	Detection Limit Requirements Other		Special Requirements MA MCP Required <input type="checkbox"/> MCP Certification Form Required <input type="checkbox"/> CT RCP Required <input type="checkbox"/> RCP Certification Form Required <input type="checkbox"/> MA State DW Required <input type="checkbox"/>		PWSID #		con-test ANALYTICAL LABORATORY www.con-testlabs.com		Other <input type="checkbox"/> Chromatogram <input type="checkbox"/> WRTA <input type="checkbox"/> MWRA <input type="checkbox"/> School <input type="checkbox"/> MBTA	
Relinquished by (Signature) [Signature]	Date/Time: 7/24/18 2:00	Detection Limit Requirements Other		Special Requirements MA MCP Required <input type="checkbox"/> MCP Certification Form Required <input type="checkbox"/> CT RCP Required <input type="checkbox"/> RCP Certification Form Required <input type="checkbox"/> MA State DW Required <input type="checkbox"/>		PWSID #		con-test ANALYTICAL LABORATORY www.con-testlabs.com		Other <input type="checkbox"/> Chromatogram <input type="checkbox"/> WRTA <input type="checkbox"/> MWRA <input type="checkbox"/> School <input type="checkbox"/> MBTA	



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CHAIN OF CUSTODY RECORD

39 Spruce Street  
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**Company Name:** CONWAY

**Address:**

**Phone:**

**Project Name:** CONWAY

**Project Location:**

**Project Number:**

**Project Manager:**

**Con-Test Quote Name/Number:**

**Invoice Recipient:**

**Sampled By:**

**Requested Turnaround Time:**  
 7-Day  10-Day

**Due Date:**

**Analysis Approval Required:**  
 1-Day  3-Day   
 2-Day  4-Day

**Format:** PDF  EXCEL

**Other:**

**CLP Like Data Pkg Required:**

**Email To:**

**Fax To #:**

Con-Test Work Order #	Client Sample ID / Description	Sample Date/Time	Container Code	Analysis Requested	Matrix Code	Preservation Code	# of Containers
B-R-9 (0-0.5)	7/23	1515	S	PCBS (Sox let)	GW		
B-R-3 (0.5-1.5)	"	1516	L	Lead	WW		
B-R-3 (1.5-2.5)	"	1517	L		DW		
B-R-3 (2.5-3.5)	"	1518	L		A		
B-R-3 (3.5-5.5)	"	1519	L		S		
B-R-3 (5.5-7.5)	"	1520	L		SL		
B-R-4 (0-0.5)	"	1530	L		SOL		
B-R-4 (0.5-1.5)	"	1531	L		O		
B-R-4 (1.5-2.5)	"	1532	L				
B-R-4 (2.5-3.5)	"	1533	L				

- 1 Matrix Codes:**  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)
- 2 Preservation Codes:**  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)
- 3 Container Codes:**  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Surrima Canister  
 T = Tedlar Bag  
 O = Other (please define)

Comments: Samples w/ no checked analyses to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

**Relinquished by: (Signature)** [Signature] Date/Time: 7/24

**Received by: (Signature)** [Signature] Date/Time: 1625

**Relinquished by: (Signature)** [Signature] Date/Time: 7/24/06

**Received by: (Signature)** [Signature] Date/Time: 7/24/06

**Relinquished by: (Signature)** [Signature] Date/Time: 7/24/06

**Received by: (Signature)** [Signature] Date/Time: 7/24/06

**Relinquished by: (Signature)** [Signature] Date/Time: 7/24/06

**Received by: (Signature)** [Signature] Date/Time: 7/24/06

**Special Requirements:**  
 MA MCP Required   
 MCP Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 MA State DW Required

**PMSID #**

**Project Entity:**  
 Government  Municipality  WRTA  Other  
 Federal  21 J  School  Chromatogram  
 City  Brownfield  MBTA  AIHA-LAP, LLC



**PCB ONLY**  
 Soxhlet  
 Non Soxhlet

1860905

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 Email: info@contestlabs.com

**Company Name:** [Redacted]  
**Address:** [Redacted]  
**Phone:** [Redacted]  
**Project Name:** [Redacted]  
**Project Location:** [Redacted]  
**Project Number:** [Redacted]  
**Project Manager:** [Redacted]  
**Con-Test Quote Name/Number:** [Redacted]  
**Invoice Recipient:** [Redacted]  
**Sampled By:** [Redacted]

Con-Test Work Order #	Client Sample ID / Description	Sample Date	Time	Matrix Code	Conc Code	Analysis Requested	Special Requirements
50	B-14 (3.5-5.5)	7/23	15:34	S	C		
51	B-14 (3.5-7.5)	"	15:35	S	C		
52	B-R-4 (7.5-9.5)	"	15:36	S	C		
	B-0-1 (0-0.5)	7/24	9:00	S	C		
	B-0-1 (0.5-1.5)	"	9:01	S	C		
	B-0-1 (1.5-2.5)	"	9:02	S	C		
	B-0-1 (2.5-3.5)	"	9:03	S	C		
53	B-0-1 (3.5-5.5)	"	9:04	S	C		
78	B-0-1 (5.5-7.5)	"	9:05	S	C		
	B-C-1 (0-0.5)	"	9:15	S	C		

**Comments:** Samples w/ no analyses checked to be 708

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

**Request to Ship/Retain Time:** 7-Day  10-Day   
**Due Date:** [Redacted]  
**Rush Approval Required:** 1-Day  3-Day  2-Day  4-Day   
**Date Delivered:** [Redacted]  
**Format:** PDF  EXCEL   
**Other:** [Redacted]  
**CLP Like Data Pkg Required:**   
**Email To:** [Redacted]  
**Fax To #:** [Redacted]

**Detection Limit Requirements:** MA MCP Required  MA MCP Form Required   
 CT RCP Required  RCP Form Required   
 MA State DIB Required  PWSID # [Redacted]

**Project Entity:** Government  Municipality  MWRA  School   
 Federal  21 J  Brownfield  MBTA   
 City  WIRTA  Other  Chromatogram  AIMA-LAP, LLC

**Signature/Date:**  
 Received by: [Signature] Date/Time: 7/24/18 16:16  
 Inquired by: [Signature] Date/Time: 7/24/18 20:08  
 Inquired by: [Signature] Date/Time: 7/24/18 20:00  
 Inquired by: [Signature] Date/Time: 7/24/18 20:00





186-09105

Doc # 381 Rev 1\_03242017

Phone: 413-525-2332  
 Fax: 413-525-6405  
 Email: info@contestlabs.com

39 Spruce Street  
 East Longmeadow, MA 01028

Page 16 of 19



**Company Name:** [Redacted]  
**Address:** [Redacted]  
**Phone:** [Redacted]  
**Project Name:** [Redacted]  
**Project Location:** [Redacted]  
**Project Number:** [Redacted]  
**Project Manager:** [Redacted]  
**Con-Test Quote Name/Number:** [Redacted]  
**Invoice Recipient:** [Redacted]  
**Sampled By:** [Redacted]

**Requested Turnaround Time:** 7-Day  10-Day   
**Due Date:** [Redacted]

**Rush Approval Required:** 1-Day  3-Day   
 2-Day  4-Day   
**Data Delivery:** Format: PDF  EXCEL   
 Other:   
 CLP Like Data Pkg Required:   
 Email To: [Redacted]  
 Fax To #: [Redacted]

Con-Test Work Order	Client Sample ID - Description	Sampling Date/Time	Analysis Requested	Matrix Code	Preservation Code	Container Code
54	B-C-1 (05-15)	7/29 9:16	PCBS (Soxhlet)	S		
55	B-C-1 (15-25)	7/29 9:17	PCBS (Soxhlet)	S		
56	B-C-1 (25-35)	7/29 9:18	PCBS (Soxhlet)	S		
57	B-C-1 (35-55)	7/29 9:19	PCBS (Soxhlet)	S		
58	B-C-1 (55-75)	7/29 9:20	PCBS (Soxhlet)	S		
59	B-C-1 (75-95)	7/29 9:21	PCBS (Soxhlet)	S		
60	B-C-1 (95-115)	7/29 9:22	PCBS (Soxhlet)	S		
61	B-C-1 (115-135)	7/29 9:23	PCBS (Soxhlet)	S		
62	B-C-1 (135-155)	7/29 9:24	PCBS (Soxhlet)	S		
63	B-C-1 (155-175)	7/29 9:25	PCBS (Soxhlet)	S		

**Comments:** Samples w/ no analyses checked to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

**1 Matrix Codes:**  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

**2 Preservation Codes:**  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

**3 Container Codes:**  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

**PCB ONLY**  
 Soxhlet  
 Not Soxhlet

**Project Entity:**  
 Government  
 Federal  
 City  
 Municipality  
 21 J  
 Brownfield  
 WRTA  
 MMRA  
 School  
 MBTA  
 Chromatogram  
 ALPHA-LAP, LLC  
 Other

**Special Requirements:**  
 MA MCP Required   
 MCP Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 MA State BW Required   
 PWSID # [Redacted]

**Relinquished by (signature):** [Signature] Date/Time: 7/29  
**Received by (signature):** [Signature] Date/Time: 7/29/08  
**Relinquished by (signature):** [Signature] Date/Time: 7/29/08  
**Received by (signature):** [Signature] Date/Time: 7/29/08  
**Relinquished by (signature):** [Signature] Date/Time: 7/29/08  
**Received by (signature):** [Signature] Date/Time: 7/29/08

**con-test ANALYTICAL LABORATORY**  
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Phone: 413-525-2332  
Fax: 413-525-6405  
Email: info@contestlabs.com



Company Name: (Squab)  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Project Name: \_\_\_\_\_  
 Project Location: \_\_\_\_\_  
 Project Number: \_\_\_\_\_  
 Project Manager: \_\_\_\_\_  
 Con-Test Quote Name/Number: \_\_\_\_\_  
 Invoice Recipient: \_\_\_\_\_  
 Sampled By: \_\_\_\_\_

Con-Test Work Order #	Client Sample ID / Description	Requesting Party Name	Requesting Party Phone	Requesting Party Email	Requesting Party Address	Requesting Party City	Requesting Party State	Requesting Party Zip	Requesting Party Country	Requesting Party Other	Requesting Party Title	Requesting Party Signature	Requesting Party Date/Time	Requesting Party Initials
601	B-A-2 (0-0.5)		7/24	9:26										
602	B-A-2 (0.5-1.5)			9:27										
603	B-A-2 (1.5-2.5)			9:28										
604	B-A-2 (2.5-3.5)			9:29										
605	B-A-2 (3.5-5.5)			9:30										
606	B-A-2 (5.5-7.5)			9:31										
607	B-A-2 (7.5-9.5)			9:32										
608	B-A-2 (9.5-11.5)			9:33										
609	B-A-2 (11.5-13.5)			9:34										
610	B-A-2 (13.5-15.5)			9:35										

Comments: *Samples w/ no analyses checked to be held*

Requesting Party Signature: \_\_\_\_\_ Date/Time: 7/24/18 9:26  
 Requesting Party Signature: \_\_\_\_\_ Date/Time: 7/24/18 9:27  
 Requesting Party Signature: \_\_\_\_\_ Date/Time: 7/24/18 9:28  
 Requesting Party Signature: \_\_\_\_\_ Date/Time: 7/24/18 9:29  
 Requesting Party Signature: \_\_\_\_\_ Date/Time: 7/24/18 9:30  
 Requesting Party Signature: \_\_\_\_\_ Date/Time: 7/24/18 9:31  
 Requesting Party Signature: \_\_\_\_\_ Date/Time: 7/24/18 9:32  
 Requesting Party Signature: \_\_\_\_\_ Date/Time: 7/24/18 9:33  
 Requesting Party Signature: \_\_\_\_\_ Date/Time: 7/24/18 9:34  
 Requesting Party Signature: \_\_\_\_\_ Date/Time: 7/24/18 9:35

Received by: (signature) \_\_\_\_\_ Date/Time: 7/24/18 16:15  
 Received by: (signature) \_\_\_\_\_ Date/Time: 7/24/18 20:00  
 Received by: (signature) \_\_\_\_\_ Date/Time: 7/24/18 20:00  
 Received by: (signature) \_\_\_\_\_ Date/Time: 7/24/18 20:00

Project Entity:  Government  Municipality  MWRA  WRTA  Other  
 Federal  21 J  School  Chromatogram  
 City  Brownfield  MBTA  AHA-LAP, LLC

PCB ONLY:  Soxhlet  Non Soxhlet





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Page 18 of 19

**Company Name:** [Redacted]  
**Address:** [Redacted]  
**Phone:** [Redacted]  
**Project Name:** (Away Park)  
**Project Location:** [Redacted]  
**Project Number:** [Redacted]  
**Project Manager:** [Redacted]  
**Con-Test Quote Name/Number:** [Redacted]  
**Invoice Recipient:** [Redacted]  
**Sampled By:** [Redacted]

Con-Test Mark/Order #	Client Sample ID/Description	Sampling Date/Time	Delivery Date/Time	Matrix Code	Preservation Code	Analysis Requested
607	B-A-1 (15.5-17.5)	7/23 9:36	9:36	S	V	
608	B-A-1 (17.5-19.5)	7/23 9:37	9:37	S	V	
	B-P-10 (0-0.5)	11:00	11:00			
	B-P-10 (0.5-0.5)	11:01	11:01			
	B-P-10 (1.5-2.5)	11:02	11:02			
	B-P-10 (2.5-3.5)	11:03	11:03			
609	B-P-10 (3.5-5.5)	11:04	11:04			
70	B-P-10 (5.5-7.5)	11:05	11:05			
71	B-P-10 (7.5-9.5)	11:06	11:06			
72	B-P-10 (9.5-11.5)	11:07	11:07			

Comments: Samples w/ no analyses checked to be held

**Requested Turnaround Time:** 7-Day  10-Day   
**Due Date:** [Redacted]  
**Rush Approval Required:** 1-Day  3-Day  2-Day  4-Day   
**Data Delivery:** Format: PDF  EXCEL   
**Other:** CLP Like Data Pkg Required:   
**Email To:** [Redacted]  
**Fax To #:** [Redacted]

**Detection Limit Requirements:** MA  MA MCP Required   
 MCP Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 MA State DDP Required   
**PWSID #:** [Redacted]

**Special Requirements:**  PCB ONLY  Soxhlet  Non Soxhlet

**Project Entity:** Government  Federal  City  Municipality  21 J  Brownfield  MWRA  School  MBTA  WRTA  Other  Chromatogram  AHA-LAP, LLC

**Received by:** [Signature] Date/Time: 7/24/18 2:00  
**Received by:** [Signature] Date/Time: 7/24/18 2:00  
**Received by:** [Signature] Date/Time: 7/24/18 2:00  
**Received by:** [Signature] Date/Time: 7/24/18 2:00  
**Received by:** [Signature] Date/Time: 7/24/18 2:00  
**Received by:** [Signature] Date/Time: 7/24/18 2:00



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 East Longmeadow, MA 01028



CHAIN OF CUSTODY RECORD

7-Day  10-Day  15-Day  
 Due Date: \_\_\_\_\_

1-Day  3-Day  5-Day  
 2-Day  4-Day  6-Day

Format:  PDF  EXCEL  
 Other: \_\_\_\_\_

CLP Like Data Pkg Required:

Email To: \_\_\_\_\_  
 Fax To #: \_\_\_\_\_

Con-Test Work-Order	Client Sample ID / Description	Collection Date/Time	Analysis Date/Time	Matrix Code	Preservation Code	Container Code
BP-9	(0-0.5)	7/24	11:25	S	U	
B-P-A	(0.5-1.5)	11	11:26	S	U	
B-P-A	(1.5-2.5)	11	11:27	S	U	
B-P-A	(2.5-3.5)	11	11:28	S	U	
B-P-A	(3.5-5.5)	11	11:29	S	U	
B-P-A	(5.5-7.5)	11	11:30	S	U	
B-P-A	(7.5-9.5)	11	11:31	S	U	
B-P-A	(9.5-11.5)	11	11:32	S	U	
B-P-A	(11.5-13.5)	11	11:33	S	U	
B-P-8	(0-0.5)	11	11:33	S	U	

Comments: *Samples w/ no analytes checked to be held*

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished By: (signature) \_\_\_\_\_ Date/Time: 7/24/18 16:15

Received by: (signature) \_\_\_\_\_ Date/Time: 7/24/18 16:15

Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/24/18 20:00

Received by: (signature) \_\_\_\_\_ Date/Time: 7/24/18 20:00

Relinquished by: (signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Received by: (signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Relinquished by: (signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Received by: (signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Project Entity:  Government  Federal  City  Municipality  21 J  Brownfield  MWRA  School  MBTA  WRTA  Other  Chromatogram  AIHA-LAP, LLC

Special Requirements:
   
 MA MCP Required
   
 MCP Certification Form Required
   
 CT RCP Required
   
 RCP Certification Form Required
   
 MA State DW Required

PMSID # \_\_\_\_\_

con-test ANALYTICAL LABORATORY www.con-testlabs.com



Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False**

Client Weston & Sampson  
 Received By PLF Date 7/24/18 Time 2:00  
 How were the samples received? In Cooler T No Cooler        On Ice T No Ice         
 Direct from Sampling        Ambient        Melted Ice         
 Were samples within Temperature? 2-6°C T By Gun # 8 Actual Temp - 2.5, 3.6 °C  
 By Blank #        Actual Temp -         
 Was Custody Seal Intact? NA Were Samples Tampered with? NA  
 Was COC Relinquished? T Does Chain Agree With Samples?         
 Are there broken/leaking/loose caps on any samples? F  
 Is COC in ink/ Legible? T Were samples received within holding time? T  
 Did COC include all pertinent Information? Client T Analysis T Sampler Name T  
 Project T ID's T Collection Dates/Times T  
 Are Sample labels filled out and legible? T  
 Are there Lab to Filters? F Who was notified?         
 Are there Rushes? F Who was notified?         
 Are there Short Holds? F Who was notified?         
 Is there enough Volume? T  
 Is there Headspace where applicable? NA MS/MSD? F  
 Proper Media/Containers Used? T Is splitting samples required? F  
 Were trip blanks received? F On COC? F  
 Do all samples have the proper pH? Acid NA Base NA

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-		Other Plastic		Other Glass		Encore
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:
Sulfuric-		Perchlorate		Ziplock		

**Unused Media**

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-		Other Plastic		Other Glass		Encore
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:
Sulfuric-		Perchlorate		Ziplock		

**Comments:**

missing samples - see attached email

## Rebecca Faust

---

**From:** Rebecca Faust  
**Sent:** Wednesday, July 25, 2018 9:49 AM  
**To:** mkelley@contestlabs.com (mkelley@contestlabs.com)  
**Subject:** Missing samples from Conway Park

Here is the list of missing samples. Some are active and some are on hold:

B-S-7 (2.5-3.5)  
 B-S-7 (3.5-5.5)  
 B-S-7 (5.5-7.5)  
 B-S-6 (0-0.5)  
 B-S-6 (0.5-1.5)  
 B-S-6 (1.5-2.5)  
 B-S-6 (2.5-3.5)  
 B-S-6 (3.5-5.5)  
 B-S-6 (5.5-7.5)  
 B-R-7 (0-0.5)  
 B-R-7 (0.5-1.5)  
 B-R-7 (1.5-2.5)  
 B-R-7 (2.5-3.5)  
 B-R-7 (3.5-5.5)  
 B-R-7 (5.5-7.5)  
 B-R-7 (7.5-9.5)  
 B-R-6 (0-0.5)  
 B-R-6 (0.5-1.5)  
 B-R-6 (1.5-2.5)  
 B-R-6 (2.5-3.5)  
 B-R-6 (3.5-5.5)  
 B-R-6 (5.5-7.5)  
 B-Q-9 (0-0.5)  
 B-Q-9 (0.5-1.5)  
 B-Q-9 (1.5-2.5)  
 B-Q-9 (2.5-3.5)  
 B-Q-9 (3.5-5.5)  
 B-R-11 (0-0.5)  
 B-R-11 (0.5-1.5)  
 B-R-11 (1.5-2.5)  
 B-R-11 (2.5-3.5)  
 B-R-11 (3.5-5.5)  
 B-R-11 (5.5-7.5)  
 B-Q-11 (0-0.5)  
 B-Q-11 (0.5-1.5)  
 B-Q-11 (1.5-2.5)  
 B-Q-11 (2.5-3.5)  
 B-q-11 (3.5-5.5)  
 B-Q-11 (5.5-7.5)  
 B-Q-11 (7.5-9.5)  
 B-Q-10 (0-0.5)

B-Q-10 (0.5-1.5)  
B-Q-10 (1.5-2.5)  
B-Q-10 (2.5-3.5)  
B-Q-10 (3.5-5.5)  
B-Q-10 (5.5-7.5)  
B-P-9 (11.5-13.5)

Thank You,  
Rebecca Faust

Con-Test Analytical Laboratory  
Tel: (413) 525-2332  
Fax: (413) 525-6405  
Email: [rebecca.faust@contestlabs.com](mailto:rebecca.faust@contestlabs.com)

## Meghan Kelley

---

**From:** Smith, Taylor  
**Sent:** Thursday, August 23, 2018 3:00 PM  
**To:** Meghan Kelley  
**Cc:** Spencer, Joseph  
**Subject:** Releasing additional samples

Meghan-

We have decided to release all remaining samples from Conway Park for PCB analysis (Soxhlet) BESIDES ones with the B-Q-x, B-R-x, and B-S-x nomenclature. (For clarity, that will involve analyzing all samples with the nomenclature B-A-x through B-P-x.)

In addition, we would like to release the following samples for lead analysis:

B-C-5 (11.5-13.5)  
B-G-9 (9.5-11.5)  
B-I-3 (7.5-9.5)  
B-K-11 (9.5-11.5)  
B-O-5 (5.5-7.5)

Please give me a call if you have any questions. I appreciate your help, thanks!

### Taylor Smith

ENVIRONMENTAL SCIENTIST  
direct: 978-977-0110 x2222  
cell: 978-854-2413



Weston & Sampson  
5 Centennial Drive | Peabody, MA 01960 (HQ)  
tel: 978-532-1900  
westonandsampson.com

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August 2, 2018

Taylor Smith  
Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960

Project Location: Conway Park., Somerville, MA  
Client Job Number:  
Project Number: [none]  
Laboratory Work Order Number: 18G1032

Enclosed are results of analyses for samples received by the laboratory on July 25, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Meghan E. Kelley". The signature is written in a cursive style with a large, sweeping flourish at the end.

Meghan E. Kelley  
Project Manager

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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 8/2/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1032

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-O-9 (0-0.5)	18G1032-01	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-O-9 (0.5-1.5)	18G1032-02	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-O-9 (1.5-2.5)	18G1032-03	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-O-9 (2.5-3.5)	18G1032-04	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-O-10 (0-0.5)	18G1032-05	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-O-10 (0.-1.5)	18G1032-06	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-O-10 (1.5-2.5)	18G1032-07	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-O-10 (2.5-3.5)	18G1032-08	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-O-11 (0-0.5)	18G1032-09	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-O-11 (0.5-1.5)	18G1032-10	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-O-11 (1.5-2.5)	18G1032-11	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-O-11 (2.5-3.5)	18G1032-12	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-N-8 (0-0.5)	18G1032-13	Soil		SM 2540G SW-846 6010D SW-846 8082A	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 8/2/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1032

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-N-8 (0.5-1.5)	18G1032-14	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-N-8 (1.5-2.5)	18G1032-15	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-N-8 (2.5-3.5)	18G1032-16	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-O-7 (0-0.5)	18G1032-17	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-O-7 (0.5-1.5)	18G1032-18	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-O-7 (1.5-2.5)	18G1032-19	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-O-7 (2.5-3.5)	18G1032-20	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-O-5 (0-0.5)	18G1032-21	Soil		SM 2540G SW-846 6010D SW-846 8082A	

## CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 6010, only Pb was requested and reported.

SW-846 8082A

**Qualifications:****MS-21**

Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.

**Analyte & Samples(s) Qualified:****Aroclor-1016 [2C]**

B208931-MS1

**Aroclor-1260**

B208931-MS1, B208931-MSD1

**Aroclor-1260 [2C]**

B208931-MS1, B208931-MSD1

**O-32**

A dilution was performed as part of the standard analytical procedure.

**Analyte & Samples(s) Qualified:**

18G1032-05[B-O-10 (0-0.5)], 18G1032-06[B-O-10 (0-1.5)], 18G1032-07[B-O-10 (1.5-2.5)], 18G1032-11[B-O-11 (1.5-2.5)], 18G1032-12[B-O-11 (2.5-3.5)],  
18G1032-17[B-O-7 (0-0.5)]

**S-01**

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**Analyte & Samples(s) Qualified:****Decachlorobiphenyl**

18G1032-01[B-O-9 (0-0.5)], 18G1032-09[B-O-11 (0-0.5)], 18G1032-13[B-N-8 (0-0.5)], 18G1032-14[B-N-8 (0.5-1.5)], 18G1032-15[B-N-8 (1.5-2.5)], 18G1032-16[B-N-8 (2.5-3.5)]

**Decachlorobiphenyl [2C]**

18G1032-01[B-O-9 (0-0.5)], 18G1032-09[B-O-11 (0-0.5)], 18G1032-13[B-N-8 (0-0.5)], 18G1032-14[B-N-8 (0.5-1.5)], 18G1032-15[B-N-8 (1.5-2.5)], 18G1032-16[B-N-8 (2.5-3.5)]

**Tetrachloro-m-xylene**

18G1032-01[B-O-9 (0-0.5)], 18G1032-09[B-O-11 (0-0.5)], 18G1032-13[B-N-8 (0-0.5)], 18G1032-14[B-N-8 (0.5-1.5)], 18G1032-15[B-N-8 (1.5-2.5)], 18G1032-16[B-N-8 (2.5-3.5)]

**Tetrachloro-m-xylene [2C]**

18G1032-01[B-O-9 (0-0.5)], 18G1032-09[B-O-11 (0-0.5)], 18G1032-13[B-N-8 (0-0.5)], 18G1032-14[B-N-8 (0.5-1.5)], 18G1032-15[B-N-8 (1.5-2.5)], 18G1032-16[B-N-8 (2.5-3.5)]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington  
Project Manager

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-9 (0-0.5)

Sampled: 7/24/2018 13:25

Sample ID: 18G1032-01

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 19:06	KAL
Aroclor-1221 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 19:06	KAL
Aroclor-1232 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 19:06	KAL
Aroclor-1242 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 19:06	KAL
Aroclor-1248 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 19:06	KAL
Aroclor-1254 [2]	6.3	0.90	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 19:06	KAL
Aroclor-1260 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 19:06	KAL
Aroclor-1262 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 19:06	KAL
Aroclor-1268 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 19:06	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			7/31/18 19:06	
Decachlorobiphenyl [2]		*	30-150		S-01			7/31/18 19:06	
Tetrachloro-m-xylene [1]		*	30-150		S-01			7/31/18 19:06	
Tetrachloro-m-xylene [2]		*	30-150		S-01			7/31/18 19:06	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-9 (0-0.5)

Sampled: 7/24/2018 13:25

Sample ID: 18G1032-01

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	190	0.57	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 17:16	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-9 (0-0.5)

Sampled: 7/24/2018 13:25

Sample ID: 18G1032-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.8		% Wt	1		SM 2540G	7/27/18	7/29/18 8:39	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-9 (0.5-1.5)

Sampled: 7/24/2018 13:26

Sample ID: 18G1032-02

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.40	mg/Kg dry	20		SW-846 8082A	7/28/18	7/31/18 19:19	KAL
Aroclor-1221 [1]	ND	0.40	mg/Kg dry	20		SW-846 8082A	7/28/18	7/31/18 19:19	KAL
Aroclor-1232 [1]	ND	0.40	mg/Kg dry	20		SW-846 8082A	7/28/18	7/31/18 19:19	KAL
Aroclor-1242 [1]	ND	0.40	mg/Kg dry	20		SW-846 8082A	7/28/18	7/31/18 19:19	KAL
Aroclor-1248 [1]	ND	0.40	mg/Kg dry	20		SW-846 8082A	7/28/18	7/31/18 19:19	KAL
Aroclor-1254 [2]	2.3	0.40	mg/Kg dry	20		SW-846 8082A	7/28/18	7/31/18 19:19	KAL
Aroclor-1260 [1]	ND	0.40	mg/Kg dry	20		SW-846 8082A	7/28/18	7/31/18 19:19	KAL
Aroclor-1262 [1]	ND	0.40	mg/Kg dry	20		SW-846 8082A	7/28/18	7/31/18 19:19	KAL
Aroclor-1268 [1]	ND	0.40	mg/Kg dry	20		SW-846 8082A	7/28/18	7/31/18 19:19	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		97.8	30-150					7/31/18 19:19	
Decachlorobiphenyl [2]		109	30-150					7/31/18 19:19	
Tetrachloro-m-xylene [1]		82.2	30-150					7/31/18 19:19	
Tetrachloro-m-xylene [2]		77.4	30-150					7/31/18 19:19	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-9 (0.5-1.5)

Sampled: 7/24/2018 13:26

Sample ID: 18G1032-02

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	65	0.54	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 17:21	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-9 (0.5-1.5)

Sampled: 7/24/2018 13:26

Sample ID: 18G1032-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.7		% Wt	1		SM 2540G	7/27/18	7/29/18 8:40	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-9 (1.5-2.5)

Sampled: 7/24/2018 13:27

Sample ID: 18G1032-03

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:21	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:21	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:21	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:21	KAL
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:21	KAL
Aroclor-1254 [2]	0.24	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:21	KAL
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:21	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:21	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:21	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	102		30-150				7/31/18 13:21		
Decachlorobiphenyl [2]	108		30-150				7/31/18 13:21		
Tetrachloro-m-xylene [1]	83.6		30-150				7/31/18 13:21		
Tetrachloro-m-xylene [2]	76.3		30-150				7/31/18 13:21		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-9 (1.5-2.5)

Sampled: 7/24/2018 13:27

Sample ID: 18G1032-03

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	39	0.52	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 17:25	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-9 (1.5-2.5)

Sampled: 7/24/2018 13:27

Sample ID: 18G1032-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.6		% Wt	1		SM 2540G	7/27/18	7/29/18 8:40	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-9 (2.5-3.5)

Sampled: 7/24/2018 13:28

Sample ID: 18G1032-04

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:39	KAL
Aroclor-1221 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:39	KAL
Aroclor-1232 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:39	KAL
Aroclor-1242 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:39	KAL
Aroclor-1248 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:39	KAL
Aroclor-1254 [2]	0.22	0.083	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:39	KAL
Aroclor-1260 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:39	KAL
Aroclor-1262 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:39	KAL
Aroclor-1268 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:39	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		86.6	30-150					7/31/18 13:39	
Decachlorobiphenyl [2]		94.1	30-150					7/31/18 13:39	
Tetrachloro-m-xylene [1]		78.7	30-150					7/31/18 13:39	
Tetrachloro-m-xylene [2]		71.8	30-150					7/31/18 13:39	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-9 (2.5-3.5)

Sampled: 7/24/2018 13:28

Sample ID: 18G1032-04

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	220	0.55	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 17:43	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-9 (2.5-3.5)

Sampled: 7/24/2018 13:28

Sample ID: 18G1032-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.1		% Wt	1		SM 2540G	7/27/18	7/29/18 8:40	MJR



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-10 (0-0.5)

Sampled: 7/24/2018 13:50

Sample ID: 18G1032-05

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:56	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:56	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:56	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:56	KAL
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:56	KAL
Aroclor-1254 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:56	KAL
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:56	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:56	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:56	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		101	30-150					7/31/18 13:56	
Decachlorobiphenyl [2]		108	30-150					7/31/18 13:56	
Tetrachloro-m-xylene [1]		40.5	30-150					7/31/18 13:56	
Tetrachloro-m-xylene [2]		38.0	30-150					7/31/18 13:56	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-10 (0-0.5)

Sampled: 7/24/2018 13:50

Sample ID: 18G1032-05

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	7.1	0.55	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 17:48	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-10 (0-0.5)

Sampled: 7/24/2018 13:50

Sample ID: 18G1032-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.5		% Wt	1		SM 2540G	7/27/18	7/29/18 8:40	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-10 (0.-1.5)

Sampled: 7/24/2018 13:51

Sample ID: 18G1032-06

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.078	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 14:14	KAL
Aroclor-1221 [1]	ND	0.078	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 14:14	KAL
Aroclor-1232 [1]	ND	0.078	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 14:14	KAL
Aroclor-1242 [1]	ND	0.078	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 14:14	KAL
Aroclor-1248 [1]	ND	0.078	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 14:14	KAL
Aroclor-1254 [1]	ND	0.078	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 14:14	KAL
Aroclor-1260 [1]	ND	0.078	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 14:14	KAL
Aroclor-1262 [1]	ND	0.078	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 14:14	KAL
Aroclor-1268 [1]	ND	0.078	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 14:14	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		92.3	30-150					7/31/18 14:14	
Decachlorobiphenyl [2]		99.8	30-150					7/31/18 14:14	
Tetrachloro-m-xylene [1]		62.4	30-150					7/31/18 14:14	
Tetrachloro-m-xylene [2]		58.5	30-150					7/31/18 14:14	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-10 (0.-1.5)

Sampled: 7/24/2018 13:51

Sample ID: 18G1032-06

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	3.5	0.50	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 17:12	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-10 (0.-1.5)

Sampled: 7/24/2018 13:51

Sample ID: 18G1032-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	97.0		% Wt	1		SM 2540G	7/27/18	7/29/18 8:40	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-10 (1.5-2.5)

Sampled: 7/24/2018 13:52

Sample ID: 18G1032-07

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 14:32	KAL
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 14:32	KAL
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 14:32	KAL
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 14:32	KAL
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 14:32	KAL
Aroclor-1254 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 14:32	KAL
Aroclor-1260 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 14:32	KAL
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 14:32	KAL
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 14:32	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		101	30-150					7/31/18 14:32	
Decachlorobiphenyl [2]		108	30-150					7/31/18 14:32	
Tetrachloro-m-xylene [1]		85.1	30-150					7/31/18 14:32	
Tetrachloro-m-xylene [2]		79.4	30-150					7/31/18 14:32	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-10 (1.5-2.5)

Sampled: 7/24/2018 13:52

Sample ID: 18G1032-07

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	11	0.50	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 17:53	QNW



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-10 (1.5-2.5)

Sampled: 7/24/2018 13:52

Sample ID: 18G1032-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.2		% Wt	1		SM 2540G	7/27/18	7/29/18 8:41	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-10 (2.5-3.5)

Sampled: 7/24/2018 13:53

Sample ID: 18G1032-08

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 14:50	KAL
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 14:50	KAL
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 14:50	KAL
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 14:50	KAL
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 14:50	KAL
Aroclor-1254 [1]	1.1	0.086	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 14:50	KAL
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 14:50	KAL
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 14:50	KAL
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 14:50	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		99.3	30-150					7/31/18 14:50	
Decachlorobiphenyl [2]		119	30-150					7/31/18 14:50	
Tetrachloro-m-xylene [1]		92.4	30-150					7/31/18 14:50	
Tetrachloro-m-xylene [2]		82.7	30-150					7/31/18 14:50	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-10 (2.5-3.5)

Sampled: 7/24/2018 13:53

Sample ID: 18G1032-08

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	190	0.55	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 17:57	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-10 (2.5-3.5)

Sampled: 7/24/2018 13:53

Sample ID: 18G1032-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.8		% Wt	1		SM 2540G	7/27/18	7/29/18 8:41	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-11 (0-0.5)

Sampled: 7/24/2018 14:15

Sample ID: 18G1032-09

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 19:32	KAL
Aroclor-1221 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 19:32	KAL
Aroclor-1232 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 19:32	KAL
Aroclor-1242 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 19:32	KAL
Aroclor-1248 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 19:32	KAL
Aroclor-1254 [2]	3.8	0.93	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 19:32	KAL
Aroclor-1260 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 19:32	KAL
Aroclor-1262 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 19:32	KAL
Aroclor-1268 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 19:32	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			7/31/18 19:32	
Decachlorobiphenyl [2]		*	30-150		S-01			7/31/18 19:32	
Tetrachloro-m-xylene [1]		*	30-150		S-01			7/31/18 19:32	
Tetrachloro-m-xylene [2]		*	30-150		S-01			7/31/18 19:32	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-11 (0-0.5)

Sampled: 7/24/2018 14:15

Sample ID: 18G1032-09

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	190	0.58	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 18:03	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-11 (0-0.5)

Sampled: 7/24/2018 14:15

Sample ID: 18G1032-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.3		% Wt	1		SM 2540G	7/27/18	7/29/18 8:41	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-11 (0.5-1.5)

Sampled: 7/24/2018 14:16

Sample ID: 18G1032-10

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 15:25	KAL
Aroclor-1221 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 15:25	KAL
Aroclor-1232 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 15:25	KAL
Aroclor-1242 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 15:25	KAL
Aroclor-1248 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 15:25	KAL
Aroclor-1254 [2]	0.080	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 15:25	KAL
Aroclor-1260 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 15:25	KAL
Aroclor-1262 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 15:25	KAL
Aroclor-1268 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 15:25	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	105		30-150				7/31/18 15:25		
Decachlorobiphenyl [2]	113		30-150				7/31/18 15:25		
Tetrachloro-m-xylene [1]	88.6		30-150				7/31/18 15:25		
Tetrachloro-m-xylene [2]	82.8		30-150				7/31/18 15:25		



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-11 (0.5-1.5)

Sampled: 7/24/2018 14:16

Sample ID: 18G1032-10

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	5.1	0.50	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 18:07	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-11 (0.5-1.5)

Sampled: 7/24/2018 14:16

Sample ID: 18G1032-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.3		% Wt	1		SM 2540G	7/27/18	7/29/18 8:41	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-11 (1.5-2.5)

Sampled: 7/24/2018 14:17

Sample ID: 18G1032-11

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:34	KAL
Aroclor-1221 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:34	KAL
Aroclor-1232 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:34	KAL
Aroclor-1242 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:34	KAL
Aroclor-1248 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:34	KAL
Aroclor-1254 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:34	KAL
Aroclor-1260 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:34	KAL
Aroclor-1262 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:34	KAL
Aroclor-1268 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:34	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		107	30-150					7/31/18 16:34	
Decachlorobiphenyl [2]		114	30-150					7/31/18 16:34	
Tetrachloro-m-xylene [1]		90.6	30-150					7/31/18 16:34	
Tetrachloro-m-xylene [2]		83.4	30-150					7/31/18 16:34	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-11 (1.5-2.5)

Sampled: 7/24/2018 14:17

Sample ID: 18G1032-11

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	28	0.49	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 18:12	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-11 (1.5-2.5)

Sampled: 7/24/2018 14:17

Sample ID: 18G1032-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.8		% Wt	1		SM 2540G	7/27/18	7/29/18 8:41	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-11 (2.5-3.5)

Sampled: 7/24/2018 14:18

Sample ID: 18G1032-12

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:47	KAL
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:47	KAL
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:47	KAL
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:47	KAL
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:47	KAL
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:47	KAL
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:47	KAL
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:47	KAL
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:47	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		107	30-150					7/31/18 16:47	
Decachlorobiphenyl [2]		116	30-150					7/31/18 16:47	
Tetrachloro-m-xylene [1]		93.9	30-150					7/31/18 16:47	
Tetrachloro-m-xylene [2]		86.4	30-150					7/31/18 16:47	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-11 (2.5-3.5)

Sampled: 7/24/2018 14:18

Sample ID: 18G1032-12

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	34	0.53	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 18:16	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-11 (2.5-3.5)

Sampled: 7/24/2018 14:18

Sample ID: 18G1032-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.6		% Wt	1		SM 2540G	7/27/18	7/29/18 8:41	MJR



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-N-8 (0-0.5)

Sampled: 7/25/2018 11:50

Sample ID: 18G1032-13

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 19:45	KAL
Aroclor-1221 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 19:45	KAL
Aroclor-1232 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 19:45	KAL
Aroclor-1242 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 19:45	KAL
Aroclor-1248 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 19:45	KAL
Aroclor-1254 [2]	6.3	0.90	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 19:45	KAL
Aroclor-1260 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 19:45	KAL
Aroclor-1262 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 19:45	KAL
Aroclor-1268 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 19:45	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			7/31/18 19:45	
Decachlorobiphenyl [2]		*	30-150		S-01			7/31/18 19:45	
Tetrachloro-m-xylene [1]		*	30-150		S-01			7/31/18 19:45	
Tetrachloro-m-xylene [2]		*	30-150		S-01			7/31/18 19:45	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-N-8 (0-0.5)

Sampled: 7/25/2018 11:50

Sample ID: 18G1032-13

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	170	0.55	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 18:21	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-N-8 (0-0.5)

Sampled: 7/25/2018 11:50

Sample ID: 18G1032-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.8		% Wt	1		SM 2540G	7/27/18	7/29/18 8:41	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-N-8 (0.5-1.5)

Sampled: 7/25/2018 11:51

Sample ID: 18G1032-14

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/28/18	7/31/18 19:58	KAL
Aroclor-1221 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/28/18	7/31/18 19:58	KAL
Aroclor-1232 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/28/18	7/31/18 19:58	KAL
Aroclor-1242 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/28/18	7/31/18 19:58	KAL
Aroclor-1248 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/28/18	7/31/18 19:58	KAL
Aroclor-1254 [2]	10	1.7	mg/Kg dry	80		SW-846 8082A	7/28/18	7/31/18 19:58	KAL
Aroclor-1260 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/28/18	7/31/18 19:58	KAL
Aroclor-1262 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/28/18	7/31/18 19:58	KAL
Aroclor-1268 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/28/18	7/31/18 19:58	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			7/31/18 19:58	
Decachlorobiphenyl [2]		*	30-150		S-01			7/31/18 19:58	
Tetrachloro-m-xylene [1]		*	30-150		S-01			7/31/18 19:58	
Tetrachloro-m-xylene [2]		*	30-150		S-01			7/31/18 19:58	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-N-8 (0.5-1.5)

Sampled: 7/25/2018 11:51

Sample ID: 18G1032-14

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	230	0.54	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 18:25	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-N-8 (0.5-1.5)

Sampled: 7/25/2018 11:51

Sample ID: 18G1032-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.6		% Wt	1		SM 2540G	7/27/18	7/29/18 8:41	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-N-8 (1.5-2.5)

Sampled: 7/25/2018 11:52

Sample ID: 18G1032-15

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	7/28/18	7/31/18 20:10	KAL
Aroclor-1221 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	7/28/18	7/31/18 20:10	KAL
Aroclor-1232 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	7/28/18	7/31/18 20:10	KAL
Aroclor-1242 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	7/28/18	7/31/18 20:10	KAL
Aroclor-1248 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	7/28/18	7/31/18 20:10	KAL
Aroclor-1254 [2]	31	4.4	mg/Kg dry	200		SW-846 8082A	7/28/18	7/31/18 20:10	KAL
Aroclor-1260 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	7/28/18	7/31/18 20:10	KAL
Aroclor-1262 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	7/28/18	7/31/18 20:10	KAL
Aroclor-1268 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	7/28/18	7/31/18 20:10	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			7/31/18 20:10	
Decachlorobiphenyl [2]		*	30-150		S-01			7/31/18 20:10	
Tetrachloro-m-xylene [1]		*	30-150		S-01			7/31/18 20:10	
Tetrachloro-m-xylene [2]		*	30-150		S-01			7/31/18 20:10	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-N-8 (1.5-2.5)

Sampled: 7/25/2018 11:52

Sample ID: 18G1032-15

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	320	0.56	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 18:44	QNW



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-N-8 (1.5-2.5)

Sampled: 7/25/2018 11:52

Sample ID: 18G1032-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.3		% Wt	1		SM 2540G	7/27/18	7/29/18 8:41	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-N-8 (2.5-3.5)

Sampled: 7/25/2018 11:53

Sample ID: 18G1032-16

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 20:23	KAL
Aroclor-1221 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 20:23	KAL
Aroclor-1232 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 20:23	KAL
Aroclor-1242 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 20:23	KAL
Aroclor-1248 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 20:23	KAL
Aroclor-1254 [2]	4.4	0.89	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 20:23	KAL
Aroclor-1260 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 20:23	KAL
Aroclor-1262 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 20:23	KAL
Aroclor-1268 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 20:23	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			7/31/18 20:23	
Decachlorobiphenyl [2]		*	30-150		S-01			7/31/18 20:23	
Tetrachloro-m-xylene [1]		*	30-150		S-01			7/31/18 20:23	
Tetrachloro-m-xylene [2]		*	30-150		S-01			7/31/18 20:23	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-N-8 (2.5-3.5)

Sampled: 7/25/2018 11:53

Sample ID: 18G1032-16

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	220	0.55	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 18:50	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-N-8 (2.5-3.5)

Sampled: 7/25/2018 11:53

Sample ID: 18G1032-16

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.2		% Wt	1		SM 2540G	7/27/18	7/29/18 8:42	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-7 (0-0.5)

Sampled: 7/24/2018 12:50

Sample ID: 18G1032-17

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:50	KAL
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:50	KAL
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:50	KAL
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:50	KAL
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:50	KAL
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:50	KAL
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:50	KAL
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:50	KAL
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:50	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		66.3	30-150					7/31/18 17:50	
Decachlorobiphenyl [2]		69.7	30-150					7/31/18 17:50	
Tetrachloro-m-xylene [1]		60.4	30-150					7/31/18 17:50	
Tetrachloro-m-xylene [2]		56.8	30-150					7/31/18 17:50	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-7 (0-0.5)

Sampled: 7/24/2018 12:50

Sample ID: 18G1032-17

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	9.9	0.57	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 18:56	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-7 (0-0.5)

Sampled: 7/24/2018 12:50

Sample ID: 18G1032-17

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.9		% Wt	1		SM 2540G	7/27/18	7/29/18 8:42	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-7 (0.5-1.5)

Sampled: 7/24/2018 12:51

Sample ID: 18G1032-18

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:03	KAL
Aroclor-1221 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:03	KAL
Aroclor-1232 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:03	KAL
Aroclor-1242 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:03	KAL
Aroclor-1248 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:03	KAL
Aroclor-1254 [2]	0.24	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:03	KAL
Aroclor-1260 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:03	KAL
Aroclor-1262 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:03	KAL
Aroclor-1268 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:03	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		104	30-150					7/31/18 18:03	
Decachlorobiphenyl [2]		111	30-150					7/31/18 18:03	
Tetrachloro-m-xylene [1]		94.1	30-150					7/31/18 18:03	
Tetrachloro-m-xylene [2]		87.5	30-150					7/31/18 18:03	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-7 (0.5-1.5)

Sampled: 7/24/2018 12:51

Sample ID: 18G1032-18

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	10	0.53	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 19:00	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-7 (0.5-1.5)

Sampled: 7/24/2018 12:51

Sample ID: 18G1032-18

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.0		% Wt	1		SM 2540G	7/27/18	7/29/18 8:42	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-7 (1.5-2.5)

Sampled: 7/24/2018 12:52

Sample ID: 18G1032-19

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:15	KAL
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:15	KAL
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:15	KAL
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:15	KAL
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:15	KAL
Aroclor-1254 [2]	0.15	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:15	KAL
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:15	KAL
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:15	KAL
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:15	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		101	30-150					7/31/18 18:15	
Decachlorobiphenyl [2]		107	30-150					7/31/18 18:15	
Tetrachloro-m-xylene [1]		91.8	30-150					7/31/18 18:15	
Tetrachloro-m-xylene [2]		85.0	30-150					7/31/18 18:15	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-7 (1.5-2.5)

Sampled: 7/24/2018 12:52

Sample ID: 18G1032-19

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	31	0.53	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 19:05	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-7 (1.5-2.5)

Sampled: 7/24/2018 12:52

Sample ID: 18G1032-19

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.9		% Wt	1		SM 2540G	7/27/18	7/29/18 8:42	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-7 (2.5-3.5)

Sampled: 7/24/2018 12:53

Sample ID: 18G1032-20

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:28	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:28	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:28	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:28	KAL
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:28	KAL
Aroclor-1254 [2]	0.11	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:28	KAL
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:28	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:28	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:28	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	93.1		30-150				7/31/18 18:28		
Decachlorobiphenyl [2]	105		30-150				7/31/18 18:28		
Tetrachloro-m-xylene [1]	88.3		30-150				7/31/18 18:28		
Tetrachloro-m-xylene [2]	80.1		30-150				7/31/18 18:28		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-7 (2.5-3.5)

Sampled: 7/24/2018 12:53

Sample ID: 18G1032-20

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	180	0.52	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 19:09	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-7 (2.5-3.5)

Sampled: 7/24/2018 12:53

Sample ID: 18G1032-20

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.2		% Wt	1		SM 2540G	7/27/18	7/29/18 8:42	MJR



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-5 (0-0.5)

Sampled: 7/24/2018 12:30

Sample ID: 18G1032-21

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 12:07	KAL
Aroclor-1221 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 12:07	KAL
Aroclor-1232 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 12:07	KAL
Aroclor-1242 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 12:07	KAL
Aroclor-1248 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 12:07	KAL
Aroclor-1254 [2]	0.66	0.096	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 12:07	KAL
Aroclor-1260 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 12:07	KAL
Aroclor-1262 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 12:07	KAL
Aroclor-1268 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 12:07	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.4	30-150					7/31/18 12:07	
Decachlorobiphenyl [2]		87.0	30-150					7/31/18 12:07	
Tetrachloro-m-xylene [1]		77.4	30-150					7/31/18 12:07	
Tetrachloro-m-xylene [2]		79.6	30-150					7/31/18 12:07	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-5 (0-0.5)

Sampled: 7/24/2018 12:30

Sample ID: 18G1032-21

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	52	0.61	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 14:23	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1032

Date Received: 7/25/2018

Field Sample #: B-O-5 (0-0.5)

Sampled: 7/24/2018 12:30

Sample ID: 18G1032-21

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.1		% Wt	1		SM 2540G	7/27/18	7/29/18 8:43	MJR

**Sample Extraction Data**

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18G1032-01 [B-O-9 (0-0.5)]	B208909	07/27/18
18G1032-02 [B-O-9 (0.5-1.5)]	B208909	07/27/18
18G1032-03 [B-O-9 (1.5-2.5)]	B208909	07/27/18
18G1032-04 [B-O-9 (2.5-3.5)]	B208909	07/27/18
18G1032-05 [B-O-10 (0-0.5)]	B208909	07/27/18
18G1032-06 [B-O-10 (0.-1.5)]	B208909	07/27/18
18G1032-07 [B-O-10 (1.5-2.5)]	B208909	07/27/18
18G1032-08 [B-O-10 (2.5-3.5)]	B208909	07/27/18
18G1032-09 [B-O-11 (0-0.5)]	B208909	07/27/18
18G1032-10 [B-O-11 (0.5-1.5)]	B208909	07/27/18
18G1032-11 [B-O-11 (1.5-2.5)]	B208909	07/27/18
18G1032-12 [B-O-11 (2.5-3.5)]	B208909	07/27/18
18G1032-13 [B-N-8 (0-0.5)]	B208909	07/27/18
18G1032-14 [B-N-8 (0.5-1.5)]	B208909	07/27/18
18G1032-15 [B-N-8 (1.5-2.5)]	B208909	07/27/18
18G1032-16 [B-N-8 (2.5-3.5)]	B208909	07/27/18
18G1032-17 [B-O-7 (0-0.5)]	B208909	07/27/18
18G1032-18 [B-O-7 (0.5-1.5)]	B208909	07/27/18
18G1032-19 [B-O-7 (1.5-2.5)]	B208909	07/27/18
18G1032-20 [B-O-7 (2.5-3.5)]	B208909	07/27/18
18G1032-21 [B-O-5 (0-0.5)]	B208909	07/27/18

**Prep Method: SW-846 3050B-SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1032-01 [B-O-9 (0-0.5)]	B209109	1.50	50.0	07/31/18
18G1032-02 [B-O-9 (0.5-1.5)]	B209109	1.47	50.0	07/31/18
18G1032-03 [B-O-9 (1.5-2.5)]	B209109	1.52	50.0	07/31/18
18G1032-04 [B-O-9 (2.5-3.5)]	B209109	1.49	50.0	07/31/18
18G1032-05 [B-O-10 (0-0.5)]	B209109	1.53	50.0	07/31/18
18G1032-06 [B-O-10 (0.-1.5)]	B209109	1.56	50.0	07/31/18
18G1032-07 [B-O-10 (1.5-2.5)]	B209109	1.56	50.0	07/31/18
18G1032-08 [B-O-10 (2.5-3.5)]	B209109	1.51	50.0	07/31/18
18G1032-09 [B-O-11 (0-0.5)]	B209109	1.51	50.0	07/31/18
18G1032-10 [B-O-11 (0.5-1.5)]	B209109	1.57	50.0	07/31/18
18G1032-11 [B-O-11 (1.5-2.5)]	B209109	1.59	50.0	07/31/18
18G1032-12 [B-O-11 (2.5-3.5)]	B209109	1.53	50.0	07/31/18
18G1032-13 [B-N-8 (0-0.5)]	B209109	1.59	50.0	07/31/18
18G1032-14 [B-N-8 (0.5-1.5)]	B209109	1.54	50.0	07/31/18
18G1032-15 [B-N-8 (1.5-2.5)]	B209109	1.52	50.0	07/31/18
18G1032-16 [B-N-8 (2.5-3.5)]	B209109	1.52	50.0	07/31/18
18G1032-17 [B-O-7 (0-0.5)]	B209109	1.47	50.0	07/31/18
18G1032-18 [B-O-7 (0.5-1.5)]	B209109	1.47	50.0	07/31/18
18G1032-19 [B-O-7 (1.5-2.5)]	B209109	1.57	50.0	07/31/18
18G1032-20 [B-O-7 (2.5-3.5)]	B209109	1.55	50.0	07/31/18

**Prep Method: SW-846 3050B-SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1032-21 [B-O-5 (0-0.5)]	B209110	1.49	50.0	07/31/18

**Sample Extraction Data**

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1032-21 [B-O-5 (0-0.5)]	B208930	10.1	10.0	07/28/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1032-01 [B-O-9 (0-0.5)]	B208931	10.1	10.0	07/28/18
18G1032-02 [B-O-9 (0.5-1.5)]	B208931	10.6	10.0	07/28/18
18G1032-03 [B-O-9 (1.5-2.5)]	B208931	10.0	10.0	07/28/18
18G1032-04 [B-O-9 (2.5-3.5)]	B208931	10.6	10.0	07/28/18
18G1032-05 [B-O-10 (0-0.5)]	B208931	10.7	10.0	07/28/18
18G1032-06 [B-O-10 (0.-1.5)]	B208931	10.6	10.0	07/28/18
18G1032-07 [B-O-10 (1.5-2.5)]	B208931	10.3	10.0	07/28/18
18G1032-08 [B-O-10 (2.5-3.5)]	B208931	10.3	10.0	07/28/18
18G1032-09 [B-O-11 (0-0.5)]	B208931	10.0	10.0	07/28/18
18G1032-10 [B-O-11 (0.5-1.5)]	B208931	10.5	10.0	07/28/18
18G1032-11 [B-O-11 (1.5-2.5)]	B208931	10.3	10.0	07/28/18
18G1032-12 [B-O-11 (2.5-3.5)]	B208931	10.0	10.0	07/28/18
18G1032-13 [B-N-8 (0-0.5)]	B208931	10.3	10.0	07/28/18
18G1032-14 [B-N-8 (0.5-1.5)]	B208931	10.3	10.0	07/28/18
18G1032-15 [B-N-8 (1.5-2.5)]	B208931	10.3	10.0	07/28/18
18G1032-16 [B-N-8 (2.5-3.5)]	B208931	10.0	10.0	07/28/18
18G1032-17 [B-O-7 (0-0.5)]	B208931	10.2	10.0	07/28/18
18G1032-18 [B-O-7 (0.5-1.5)]	B208931	10.3	10.0	07/28/18
18G1032-19 [B-O-7 (1.5-2.5)]	B208931	10.0	10.0	07/28/18
18G1032-20 [B-O-7 (2.5-3.5)]	B208931	10.3	10.0	07/28/18

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B208930 - SW-846 3540C</b>										
<b>Blank (B208930-BLK1)</b>										
Prepared: 07/28/18 Analyzed: 07/31/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.203		mg/Kg wet	0.200		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.202		mg/Kg wet	0.200		101	30-150			
Surrogate: Tetrachloro-m-xylene	0.192		mg/Kg wet	0.200		95.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.194		mg/Kg wet	0.200		96.8	30-150			
<b>LCS (B208930-BS1)</b>										
Prepared: 07/28/18 Analyzed: 07/31/18										
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		95.9	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		96.9	40-140			
Aroclor-1260	0.19	0.020	mg/Kg wet	0.200		97.4	40-140			
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		97.0	40-140			
Surrogate: Decachlorobiphenyl	0.203		mg/Kg wet	0.200		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.201		mg/Kg wet	0.200		101	30-150			
Surrogate: Tetrachloro-m-xylene	0.196		mg/Kg wet	0.200		98.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.201		mg/Kg wet	0.200		100	30-150			
<b>LCS Dup (B208930-BSD1)</b>										
Prepared: 07/28/18 Analyzed: 07/31/18										
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		89.7	40-140	6.74	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		92.2	40-140	4.90	30	
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		91.8	40-140	5.86	30	
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.200		91.6	40-140	5.68	30	
Surrogate: Decachlorobiphenyl	0.194		mg/Kg wet	0.200		96.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.195		mg/Kg wet	0.200		97.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.188		mg/Kg wet	0.200		94.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.193		mg/Kg wet	0.200		96.5	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B208931 - SW-846 3540C</b>										
<b>Blank (B208931-BLK1)</b>										
Prepared: 07/28/18 Analyzed: 07/31/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.228		mg/Kg wet	0.200		114	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.241		mg/Kg wet	0.200		121	30-150			
Surrogate: Tetrachloro-m-xylene	0.189		mg/Kg wet	0.200		94.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.166		mg/Kg wet	0.200		83.1	30-150			
<b>LCS (B208931-BS1)</b>										
Prepared: 07/28/18 Analyzed: 07/31/18										
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		95.6	40-140			
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		86.3	40-140			
Aroclor-1260	0.19	0.020	mg/Kg wet	0.200		94.4	40-140			
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		95.8	40-140			
Surrogate: Decachlorobiphenyl	0.225		mg/Kg wet	0.200		112	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.237		mg/Kg wet	0.200		119	30-150			
Surrogate: Tetrachloro-m-xylene	0.191		mg/Kg wet	0.200		95.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.169		mg/Kg wet	0.200		84.5	30-150			
<b>LCS Dup (B208931-BSD1)</b>										
Prepared: 07/28/18 Analyzed: 07/31/18										
Aroclor-1016	0.20	0.020	mg/Kg wet	0.200		101	40-140	5.48	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		91.8	40-140	6.23	30	
Aroclor-1260	0.19	0.020	mg/Kg wet	0.200		96.5	40-140	2.20	30	
Aroclor-1260 [2C]	0.20	0.020	mg/Kg wet	0.200		97.5	40-140	1.73	30	
Surrogate: Decachlorobiphenyl	0.236		mg/Kg wet	0.200		118	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.251		mg/Kg wet	0.200		126	30-150			
Surrogate: Tetrachloro-m-xylene	0.205		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.183		mg/Kg wet	0.200		91.4	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B208931 - SW-846 3540C</b>										
<b>Matrix Spike (B208931-MS1)</b>										
		<b>Source: 18G1032-01</b>			Prepared: 07/28/18 Analyzed: 07/31/18					
Aroclor-1016	0.21	0.089	mg/Kg dry	0.221	ND	94.6	40-140			
Aroclor-1016 [2C]	0.34	0.089	mg/Kg dry	0.221	ND	<b>152</b> *	40-140			MS-21
Aroclor-1260	1.4	0.089	mg/Kg dry	0.221	ND	<b>613</b> *	40-140			MS-21
Aroclor-1260 [2C]	1.7	0.089	mg/Kg dry	0.221	ND	<b>769</b> *	40-140			MS-21
Surrogate: Decachlorobiphenyl	0.212		mg/Kg dry	0.221		95.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.231		mg/Kg dry	0.221		104	30-150			
Surrogate: Tetrachloro-m-xylene	0.188		mg/Kg dry	0.221		84.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.174		mg/Kg dry	0.221		78.8	30-150			
<b>Matrix Spike Dup (B208931-MSD1)</b>										
		<b>Source: 18G1032-01</b>			Prepared: 07/28/18 Analyzed: 07/31/18					
Aroclor-1016	0.18	0.088	mg/Kg dry	0.219	ND	80.9	40-140		50	
Aroclor-1016 [2C]	0.30	0.088	mg/Kg dry	0.219	ND	138	40-140		50	
Aroclor-1260	1.3	0.088	mg/Kg dry	0.219	ND	<b>589</b> *	40-140	4.91	50	MS-21
Aroclor-1260 [2C]	1.7	0.088	mg/Kg dry	0.219	ND	<b>757</b> *	40-140	2.65	50	MS-21
Surrogate: Decachlorobiphenyl	0.208		mg/Kg dry	0.219		94.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.226		mg/Kg dry	0.219		103	30-150			
Surrogate: Tetrachloro-m-xylene	0.129		mg/Kg dry	0.219		58.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.121		mg/Kg dry	0.219		55.0	30-150			



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**QUALITY CONTROL**

**Metals Analyses (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209109 - SW-846 3050B</b>										
<b>Blank (B209109-BLK1)</b>										
					Prepared: 07/31/18 Analyzed: 08/01/18					
Lead	ND	0.50	mg/Kg wet							
<b>LCS (B209109-BS1)</b>										
					Prepared: 07/31/18 Analyzed: 08/01/18					
Lead	103	1.5	mg/Kg wet	111		92.7	83-117.1			
<b>LCS Dup (B209109-BSD1)</b>										
					Prepared: 07/31/18 Analyzed: 08/01/18					
Lead	100	1.5	mg/Kg wet	111		90.4	83-117.1	2.50	30	
<b>Duplicate (B209109-DUP1)</b>										
					<b>Source: 18G1032-06</b>					
					Prepared: 07/31/18 Analyzed: 08/01/18					
Lead	3.44	0.50	mg/Kg dry		3.47			1.12	35	
<b>MRL Check (B209109-MRL1)</b>										
					Prepared: 07/31/18 Analyzed: 08/01/18					
Lead	0.569	0.50	mg/Kg wet	0.500		114	80-120			
<b>Matrix Spike (B209109-MS1)</b>										
					<b>Source: 18G1032-06</b>					
					Prepared: 07/31/18 Analyzed: 08/01/18					
Lead	18.4	0.50	mg/Kg dry	16.6	3.47	89.8	75-125			
<b>Batch B209110 - SW-846 3050B</b>										
<b>Blank (B209110-BLK1)</b>										
					Prepared: 07/31/18 Analyzed: 08/01/18					
Lead	ND	0.50	mg/Kg wet							
<b>LCS (B209110-BS1)</b>										
					Prepared: 07/31/18 Analyzed: 08/01/18					
Lead	107	1.5	mg/Kg wet	111		96.1	83-117.1			
<b>LCS Dup (B209110-BSD1)</b>										
					Prepared: 07/31/18 Analyzed: 08/01/18					
Lead	110	1.5	mg/Kg wet	111		99.4	83-117.1	3.38	30	
<b>MRL Check (B209110-MRL1)</b>										
					Prepared: 07/31/18 Analyzed: 08/01/18					
Lead	0.584	0.49	mg/Kg wet	0.486		120	80-120			

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**QUALITY CONTROL**

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B208909 - % Solids**

**Duplicate (B208909-DUP4)**

**Source: 18G1032-01**

Prepared: 07/27/18 Analyzed: 07/29/18

% Solids	86.6		% Wt		87.8			1.26	20	
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**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-O-9 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1032-01 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	6.1	
	2	0.000	-0.030	0.030	6.3	3.2

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-O-9 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1032-02 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.2	
	2	0.000	-0.030	0.030	2.3	4.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-O-9 (1.5-2.5)**

Lab Sample ID: 18G1032-03 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.23	
	2	0.000	-0.030	0.030	0.24	4.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-O-9 (2.5-3.5)**

Lab Sample ID: 18G1032-04 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.22	4.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-O-10 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1032-08 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.1	
	2	0.000	-0.030	0.030	1.0	9.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-O-11 (0-0.5)**

Lab Sample ID: 18G1032-09 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	3.6	
	2	0.000	-0.030	0.030	3.8	5.4



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-N-8 (0-0.5)**

Lab Sample ID: 18G1032-13 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): \_\_\_\_\_ ID: \_\_\_\_\_ (mm) GC Column (2): \_\_\_\_\_ ID: \_\_\_\_\_ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	6.0	
	2	0.000	-0.030	0.030	6.3	4.9

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-N-8 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1032-14 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	9.7	
	2	0.000	-0.030	0.030	10	3.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-N-8 (1.5-2.5)**

Lab Sample ID: 18G1032-15 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	31	
	2	0.000	-0.030	0.030	31	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-N-8 (2.5-3.5)**

Lab Sample ID: 18G1032-16 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	4.2	
	2	0.000	-0.030	0.030	4.4	4.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-O-7 (0.5-1.5)**

Lab Sample ID: 18G1032-18 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.23	
	2	0.000	-0.030	0.030	0.24	4.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-O-7 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1032-19 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.13	
	2	0.000	-0.030	0.030	0.15	14.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-O-7 (2.5-3.5)**

Lab Sample ID: 18G1032-20 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.099	
	2	0.000	-0.030	0.030	0.11	10.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-O-5 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1032-21 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.62	
	2	0.000	-0.030	0.030	0.66	6.3





**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

<b>LCS Dup</b>
----------------

Lab Sample ID:                   B208930-BSD1                                        Date(s) Analyzed:           07/31/2018                     07/31/2018          

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.18	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.18	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

<b>LCS</b>
------------

*SW-846 8082A*

Lab Sample ID:                     B208931-BS1                                          Date(s) Analyzed:           07/31/2018                     07/31/2018          

Instrument ID (1): \_\_\_\_\_    Instrument ID (2): \_\_\_\_\_

GC Column (1):                                      ID:                      (mm)                      GC Column (2):                                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.17	11.1
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.19	0.0



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike**

*SW-846 8082A*

Lab Sample ID:                     B208931-MS1                                          Date(s) Analyzed:           07/31/2018                     07/31/2018          

Instrument ID (1): \_\_\_\_\_                      Instrument ID (2): \_\_\_\_\_

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.34	47.3
Aroclor-1260	1	0.000	-0.030	0.030	1.4	
	2	0.000	-0.030	0.030	1.7	19.4



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
O-32	A dilution was performed as part of the standard analytical procedure.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<b>SW-846 6010D in Soil</b>	
Lead	CT,NH,NY,AIHA,ME,VA,NC
<b>SW-846 8082A in Soil</b>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019





186-1032  
 Phone: 413-525-2332  
 Fax: 413-525-6405  
 Email: info@contestlabs.com

39 Spruce Street  
 East Longmeadow, MA 01028

**Requested Turnaround Time**  
 7-Day  10-Day   
 Due Date: 5 day

**Analysis Requested**  
 1-Day  3-Day   
 2-Day  4-Day

**Format:** PDF  EXCEL

**Other:**

CLP Like Data Plg Required:

Email To: SMITH@WSPINX.COM

Fax To #:

Con-Test Work Order #	Clien. Sample ID / Description	Priority Date/Time	Analysis Requested	Field Filtered	Lab to Filter	Matrix Codes	Preservation Codes	Container Codes
01	B-0-9 (0-0.5)	7/24	1325	✓	✓	GW = Ground Water	I = Iced	A = Amber Glass
02	B-0-9 (0.5-1.5)		1326	✓	✓	WW = Waste Water	H = HCL	G = Glass
03	B-0-9 (1.5-2.5)		1327	✓	✓	DW = Drinking Water	M = Methanol	P = Plastic
04	B-0-9 (2.5-3.5)		1328	✓	✓	A = Air	N = Nitric Acid	ST = Sterile
	B-0-9 (3.5-5.5)		1329	✓	✓	S = Soil	S = Sulfuric Acid	V = Vial
	B-0-9 (5.5-7.5)		1330	✓	✓	SL = Sludge	B = Sulfuric Acid	S = Summa Canister
	B-0-9 (7.5-9.5)		1331	✓	✓	SOL = Solid	X = Sodium Bisulfate	T = Tedlar Bag
	B-0-9 (9.5-11.5)		1332	✓	✓	O = Other (please define)	T = Sodium Thiosulfate	O = Other (please define)
	B-0-10 (0-0.5)		1350	✓	✓			
	B-0-10 (0.5-1.5)		1351	✓	✓			

**Comments:** Samples w/ no checked analyses to be held

**Relinquished by (signature):** [Signature] Date/Time: 7/25 1601

**Received by (signature):** [Signature] Date/Time: 7/25/18 1601

**Relinquished by (signature):** [Signature] Date/Time: 7/25/18 1945

**Received by (signature):** [Signature] Date/Time: 7/25/18 1945

**Relinquished by (signature):** [Signature] Date/Time: 7/25/18 1945

**Received by (signature):** [Signature] Date/Time: 7/25/18 1945

**Project Entity:** Government  Federal  City  Municipality  21 J  Brownfield  MWRRA  School  MBTA  WRTA  Chromatogram  AIHA-LAP, LLC

**Other:**

**PCB ONLY:** Soxhlet  Non Soxhlet





186-1032

Phone: 413-525-2332  
Fax: 413-525-6405  
Email: info@contestlabs.com



MEK

Company Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Project Name: COMING  
Project Location: \_\_\_\_\_  
Project Number: \_\_\_\_\_  
Project Manager: \_\_\_\_\_  
Con-Test Quote Name/Number: \_\_\_\_\_  
Invoice Recipient: \_\_\_\_\_  
Sampled By: \_\_\_\_\_

7-Day  10-Day   
Due Date: \_\_\_\_\_  
Analysis Requested:  
1-Day  3-Day   
2-Day  4-Day   
Format: PDF  EXCEL   
Other: \_\_\_\_\_  
CLP Like Data Pkg Required:   
Email To: \_\_\_\_\_  
Fax To #: \_\_\_\_\_

Con-Test Work Order	Client Sample ID / Description	Requesting Organization	Sampling Date/Time	Container	Matrix	Conc	Unit
	B-N-9 (S.S. 7.5)	7/15	11:35	S			
	B-N-9 (7.5-9.5)		11:36				
	B-N-9 (9.5-11.5)		11:37				
13	B-N-8 (0-0.5)		11:50				
14	B-N-8 (0.5-1.5)		11:51				
15	B-N-8 (1.5-2.5)		11:52				
16	B-N-8 (2.5-3.5)		11:53				
	B-N-8 (3.5-5.5)		11:54				
	B-N-8 (5.5-7.5)		11:55				
	B-N-8 (7.5-9.5)		11:56				

Comments: Samples w/ no analyses checked to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Retinquished By: (Signature) \_\_\_\_\_ Date/Time: 7/15 1600

Received By: (Signature) \_\_\_\_\_ Date/Time: 7/25/18 1945

Relinquished By: (Signature) \_\_\_\_\_ Date/Time: 7/25/18 1945

Received By: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Inquired By: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Received By: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Project Entity:  Government  Municipality  MWRA  Other  Chromatogram  
 Federal  21 J  School  WRTA  AHA-LAP, LLC  
 City  Brownfield  MBTA

Special Requirements:  MA MCP Required  MA MCP Form Required  CT RCP Required  RCP Certifications Form Required  MA State Doff Required

PWSID #: \_\_\_\_\_

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Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False**

Client Weston + Sampson

Received By SE Date 7/25/18 Time 1945

How were the samples received? In Cooler T No Cooler        On Ice T No Ice         
 Direct from Sampling        Ambient        Melted Ice       

Were samples within Temperature? 2-6°C T By Gun # 8 Actual Temp - 2.1, 2.4, 3.0  
 By Blank #        Actual Temp -       

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A  
 Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T  
 Did COC include all pertinent Information? Client T Analysis T Sampler Name T  
 Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T  
 Are there Lab to Filters? F Who was notified?         
 Are there Rushes? F Who was notified?         
 Are there Short Holds? F Who was notified?       

Is there enough Volume? T  
 Is there Headspace where applicable? N/A MS/MSD? F  
 Proper Media/Containers Used? T Is splitting samples required? F  
 Were trip blanks received? F On COC? F  
 Do all samples have the proper pH? N/A Acid        Base       

Vials	Containers	#	#	#	#
Unp-	1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-	500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-	250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-	Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-	Other Plastic		Other Glass		Encore
Thiosulfate-	SOC Kit		Plastic Bag		Frozen:
Sulfuric-	Perchlorate		Ziplock		

**Unused Media**

Vials	Containers	#	#	#	#
Unp-	1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-	500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-	250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-	Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-	Other Plastic		Other Glass		Encore
Thiosulfate-	SOC Kit		Plastic Bag		Frozen:
Sulfuric-	Perchlorate		Ziplock		

Comments:

## MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Con-Test Analytical Laboratory	Project #: 18G1032
Project Location: Conway Park., Somerville, MA	RTN:

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]  
18G1032-01 thru 18G1032-21

Matrices: Soil

**CAM Protocol (check all that below)**

8260 VOC CAM II A ( )	7470/7471 Hg CAM III B ( )	MassDEP VPH CAM IV A ( )	8082 PCB CAM V A (X)	9014 Total Cyanide/PAC CAM VI A ( )	6860 Perchlorate CAM VIII B ( )
8270 SVOC CAM II B ( )	7010 Metals CAM III C ( )	MassDEP VPH CAM IV C ( )	8081 Pesticides CAM V B ( )	7196 Hex Cr CAM VI B ( )	MassDEP APH CAM IX A ( )
6010 Metals CAM III A (X)	6020 Metals CAM III D ( )	MassDEP EPH CAM IV A ( )	8151 Herbicides CAM V C ( )	8330 Explosives CAM VIII A ( )	TO-15 VOC CAM IX B ( )

**Affirmative response to Questions A through F is required for "Presumptive Certainty" status**

<b>A</b>	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>B</b>	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>C</b>	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>D</b>	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>E a</b>	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	<input type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>E b</b>	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	<input type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>F</b>	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all No responses to Questions A through E)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>

**A response to questions G, H and I below is required for "Presumptive Certainty" status**

<b>G</b>	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>
----------	---	--

**Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.**

<b>H</b>	Were all QC performance standards specified in the CAM protocol(s) achieved?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>
<b>I</b>	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>

<sup>1</sup>All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

**I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.**

Signature: Lisa Worthington Position: Project Manager  
Printed Name: Lisa A. Worthington Date: 08/02/18

August 1, 2018

Taylor Smith  
Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960

Project Location: Conway Park., Somerville, MA  
Client Job Number:  
Project Number: [none]  
Laboratory Work Order Number: 18G1033

Enclosed are results of analyses for samples received by the laboratory on July 25, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, reading "Meghan E. Kelley". The signature is written in a cursive style with a large, sweeping 'y' at the end.

Meghan E. Kelley  
Project Manager

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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 8/1/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1033

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-O-5 (0.5-1.5)	18G1033-01	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-O-5 (1.5-2.5)	18G1033-02	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-O-5 (2.5-3.5)	18G1033-03	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-M-3 (0-0.5)	18G1033-04	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-M-3 (0.5-1.5)	18G1033-05	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-M-3 (1.5-2.5)	18G1033-06	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-M-3 (2.5-3.5)	18G1033-07	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-M-1 (0-0.5)	18G1033-08	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-M-1 (0.5-1.5)	18G1033-09	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-M-1 (1.5-2.5)	18G1033-10	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-M-1 (2.5-3.5)	18G1033-11	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-M-5 (0-0.5)	18G1033-12	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-M-5 (0.5-1.5)	18G1033-13	Soil		SM 2540G SW-846 6010D SW-846 8082A	

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Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 8/1/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1033

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-M-5 (1.5-2.5)	18G1033-14	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-M-5 (2.5-3.5)	18G1033-15	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-M-7 (0-0.5)	18G1033-16	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-M-7 (0.5-1.5)	18G1033-17	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-M-7 (1.5-2.5)	18G1033-18	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-M-7 (2.5-3.5)	18G1033-19	Soil		SM 2540G SW-846 6010D SW-846 8082A	

**CASE NARRATIVE SUMMARY**

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

**SW-846 8082A**

**Qualifications:****O-32**

A dilution was performed as part of the standard analytical procedure.

**Analyte & Samples(s) Qualified:**

18G1033-02[B-O-5 (1.5-2.5)], 18G1033-03[B-O-5 (2.5-3.5)], 18G1033-07[B-M-3 (2.5-3.5)], 18G1033-14[B-M-5 (1.5-2.5)]

**S-01**

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**Analyte & Samples(s) Qualified:****Decachlorobiphenyl**

18G1033-04[B-M-3 (0-0.5)], 18G1033-17[B-M-7 (0.5-1.5)]

**Decachlorobiphenyl [2C]**

18G1033-04[B-M-3 (0-0.5)], 18G1033-17[B-M-7 (0.5-1.5)]

**Tetrachloro-m-xylene**

18G1033-04[B-M-3 (0-0.5)], 18G1033-17[B-M-7 (0.5-1.5)]

**Tetrachloro-m-xylene [2C]**

18G1033-04[B-M-3 (0-0.5)], 18G1033-17[B-M-7 (0.5-1.5)]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Tod E. Kopycinski  
Laboratory Director

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-O-5 (0.5-1.5)

Sampled: 7/24/2018 12:31

Sample ID: 18G1033-01

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 12:25	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 12:25	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 12:25	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 12:25	KAL
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 12:25	KAL
Aroclor-1254 [2]	0.27	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 12:25	KAL
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 12:25	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 12:25	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 12:25	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	79.2		30-150				7/31/18 12:25		
Decachlorobiphenyl [2]	80.8		30-150				7/31/18 12:25		
Tetrachloro-m-xylene [1]	76.5		30-150				7/31/18 12:25		
Tetrachloro-m-xylene [2]	78.4		30-150				7/31/18 12:25		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-O-5 (0.5-1.5)

Sampled: 7/24/2018 12:31

Sample ID: 18G1033-01

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	26	0.54	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 14:18	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-O-5 (0.5-1.5)

Sampled: 7/24/2018 12:31

Sample ID: 18G1033-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.0		% Wt	1		SM 2540G	7/27/18	7/29/18 8:43	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-O-5 (1.5-2.5)

Sampled: 7/24/2018 12:32

Sample ID: 18G1033-02

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 12:43	KAL
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 12:43	KAL
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 12:43	KAL
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 12:43	KAL
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 12:43	KAL
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 12:43	KAL
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 12:43	KAL
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 12:43	KAL
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 12:43	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		87.3	30-150					7/31/18 12:43	
Decachlorobiphenyl [2]		89.3	30-150					7/31/18 12:43	
Tetrachloro-m-xylene [1]		81.6	30-150					7/31/18 12:43	
Tetrachloro-m-xylene [2]		82.3	30-150					7/31/18 12:43	



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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-O-5 (1.5-2.5)

Sampled: 7/24/2018 12:32

Sample ID: 18G1033-02

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	8.7	0.54	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 14:41	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-O-5 (1.5-2.5)

Sampled: 7/24/2018 12:32

Sample ID: 18G1033-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.4		% Wt	1		SM 2540G	7/27/18	7/29/18 8:43	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-O-5 (2.5-3.5)

Sampled: 7/24/2018 12:33

Sample ID: 18G1033-03

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:01	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:01	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:01	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:01	KAL
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:01	KAL
Aroclor-1254 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:01	KAL
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:01	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:01	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:01	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		87.7	30-150					7/31/18 13:01	
Decachlorobiphenyl [2]		91.3	30-150					7/31/18 13:01	
Tetrachloro-m-xylene [1]		82.9	30-150					7/31/18 13:01	
Tetrachloro-m-xylene [2]		83.2	30-150					7/31/18 13:01	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-O-5 (2.5-3.5)

Sampled: 7/24/2018 12:33

Sample ID: 18G1033-03

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	73	0.50	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 14:45	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-O-5 (2.5-3.5)

Sampled: 7/24/2018 12:33

Sample ID: 18G1033-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.7		% Wt	1		SM 2540G	7/27/18	7/29/18 8:43	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-3 (0-0.5)

Sampled: 7/25/2018 08:45

Sample ID: 18G1033-04

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/28/18	7/31/18 19:00	KAL
Aroclor-1221 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/28/18	7/31/18 19:00	KAL
Aroclor-1232 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/28/18	7/31/18 19:00	KAL
Aroclor-1242 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/28/18	7/31/18 19:00	KAL
Aroclor-1248 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/28/18	7/31/18 19:00	KAL
Aroclor-1254 [2]	11	1.7	mg/Kg dry	80		SW-846 8082A	7/28/18	7/31/18 19:00	KAL
Aroclor-1260 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/28/18	7/31/18 19:00	KAL
Aroclor-1262 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/28/18	7/31/18 19:00	KAL
Aroclor-1268 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/28/18	7/31/18 19:00	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			7/31/18 19:00	
Decachlorobiphenyl [2]		*	30-150		S-01			7/31/18 19:00	
Tetrachloro-m-xylene [1]		*	30-150		S-01			7/31/18 19:00	
Tetrachloro-m-xylene [2]		*	30-150		S-01			7/31/18 19:00	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-3 (0-0.5)

Sampled: 7/25/2018 08:45

Sample ID: 18G1033-04

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	250	0.57	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 14:51	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-3 (0-0.5)

Sampled: 7/25/2018 08:45

Sample ID: 18G1033-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.8		% Wt	1		SM 2540G	7/27/18	7/29/18 8:44	MJR



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-3 (0.5-1.5)

Sampled: 7/25/2018 08:46

Sample ID: 18G1033-05

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:38	KAL
Aroclor-1221 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:38	KAL
Aroclor-1232 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:38	KAL
Aroclor-1242 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:38	KAL
Aroclor-1248 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:38	KAL
Aroclor-1254 [1]	0.49	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:38	KAL
Aroclor-1260 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:38	KAL
Aroclor-1262 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:38	KAL
Aroclor-1268 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:38	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		74.5	30-150					7/31/18 13:38	
Decachlorobiphenyl [2]		76.0	30-150					7/31/18 13:38	
Tetrachloro-m-xylene [1]		72.6	30-150					7/31/18 13:38	
Tetrachloro-m-xylene [2]		72.5	30-150					7/31/18 13:38	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-3 (0.5-1.5)

Sampled: 7/25/2018 08:46

Sample ID: 18G1033-05

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	7.5	0.50	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 14:55	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-3 (0.5-1.5)

Sampled: 7/25/2018 08:46

Sample ID: 18G1033-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.5		% Wt	1		SM 2540G	7/27/18	7/29/18 8:44	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-3 (1.5-2.5)

Sampled: 7/25/2018 08:47

Sample ID: 18G1033-06

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:56	KAL
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:56	KAL
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:56	KAL
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:56	KAL
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:56	KAL
Aroclor-1254 [2]	0.25	0.089	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:56	KAL
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:56	KAL
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:56	KAL
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 13:56	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	76.6		30-150				7/31/18 13:56		
Decachlorobiphenyl [2]	79.9		30-150				7/31/18 13:56		
Tetrachloro-m-xylene [1]	75.0		30-150				7/31/18 13:56		
Tetrachloro-m-xylene [2]	74.0		30-150				7/31/18 13:56		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-3 (1.5-2.5)

Sampled: 7/25/2018 08:47

Sample ID: 18G1033-06

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	270	0.53	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 14:59	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-3 (1.5-2.5)

Sampled: 7/25/2018 08:47

Sample ID: 18G1033-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.5		% Wt	1		SM 2540G	7/27/18	7/29/18 8:44	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-3 (2.5-3.5)

Sampled: 7/25/2018 08:48

Sample ID: 18G1033-07

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 14:14	KAL
Aroclor-1221 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 14:14	KAL
Aroclor-1232 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 14:14	KAL
Aroclor-1242 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 14:14	KAL
Aroclor-1248 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 14:14	KAL
Aroclor-1254 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 14:14	KAL
Aroclor-1260 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 14:14	KAL
Aroclor-1262 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 14:14	KAL
Aroclor-1268 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 14:14	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		83.7	30-150					7/31/18 14:14	
Decachlorobiphenyl [2]		91.0	30-150					7/31/18 14:14	
Tetrachloro-m-xylene [1]		77.9	30-150					7/31/18 14:14	
Tetrachloro-m-xylene [2]		76.5	30-150					7/31/18 14:14	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-3 (2.5-3.5)

Sampled: 7/25/2018 08:48

Sample ID: 18G1033-07

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	220	0.53	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 15:05	QNW



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-3 (2.5-3.5)

Sampled: 7/25/2018 08:48

Sample ID: 18G1033-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.3		% Wt	1		SM 2540G	7/27/18	7/29/18 8:44	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-1 (0-0.5)

Sampled: 7/25/2018 09:20

Sample ID: 18G1033-08

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	7/28/18	7/31/18 19:19	KAL
Aroclor-1221 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	7/28/18	7/31/18 19:19	KAL
Aroclor-1232 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	7/28/18	7/31/18 19:19	KAL
Aroclor-1242 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	7/28/18	7/31/18 19:19	KAL
Aroclor-1248 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	7/28/18	7/31/18 19:19	KAL
Aroclor-1254 [2]	2.9	0.48	mg/Kg dry	20		SW-846 8082A	7/28/18	7/31/18 19:19	KAL
Aroclor-1260 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	7/28/18	7/31/18 19:19	KAL
Aroclor-1262 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	7/28/18	7/31/18 19:19	KAL
Aroclor-1268 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	7/28/18	7/31/18 19:19	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		99.0	30-150					7/31/18 19:19	
Decachlorobiphenyl [2]		103	30-150					7/31/18 19:19	
Tetrachloro-m-xylene [1]		88.5	30-150					7/31/18 19:19	
Tetrachloro-m-xylene [2]		92.0	30-150					7/31/18 19:19	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-1 (0-0.5)

Sampled: 7/25/2018 09:20

Sample ID: 18G1033-08

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	120	0.62	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 15:11	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-1 (0-0.5)

Sampled: 7/25/2018 09:20

Sample ID: 18G1033-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.3		% Wt	1		SM 2540G	7/27/18	7/29/18 8:44	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-1 (0.5-1.5)

Sampled: 7/25/2018 09:21

Sample ID: 18G1033-09

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	7/28/18	7/31/18 19:32	KAL
Aroclor-1221 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	7/28/18	7/31/18 19:32	KAL
Aroclor-1232 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	7/28/18	7/31/18 19:32	KAL
Aroclor-1242 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	7/28/18	7/31/18 19:32	KAL
Aroclor-1248 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	7/28/18	7/31/18 19:32	KAL
Aroclor-1254 [2]	3.1	0.43	mg/Kg dry	20		SW-846 8082A	7/28/18	7/31/18 19:32	KAL
Aroclor-1260 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	7/28/18	7/31/18 19:32	KAL
Aroclor-1262 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	7/28/18	7/31/18 19:32	KAL
Aroclor-1268 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	7/28/18	7/31/18 19:32	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		101	30-150					7/31/18 19:32	
Decachlorobiphenyl [2]		105	30-150					7/31/18 19:32	
Tetrachloro-m-xylene [1]		89.9	30-150					7/31/18 19:32	
Tetrachloro-m-xylene [2]		92.6	30-150					7/31/18 19:32	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-1 (0.5-1.5)

Sampled: 7/25/2018 09:21

Sample ID: 18G1033-09

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	130	0.57	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 15:15	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-1 (0.5-1.5)

Sampled: 7/25/2018 09:21

Sample ID: 18G1033-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.1		% Wt	1		SM 2540G	7/27/18	7/29/18 8:44	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-1 (1.5-2.5)

Sampled: 7/25/2018 09:22

Sample ID: 18G1033-10

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.36	mg/Kg dry	16		SW-846 8082A	7/28/18	7/31/18 19:44	KAL
Aroclor-1221 [1]	ND	0.36	mg/Kg dry	16		SW-846 8082A	7/28/18	7/31/18 19:44	KAL
Aroclor-1232 [1]	ND	0.36	mg/Kg dry	16		SW-846 8082A	7/28/18	7/31/18 19:44	KAL
Aroclor-1242 [1]	ND	0.36	mg/Kg dry	16		SW-846 8082A	7/28/18	7/31/18 19:44	KAL
Aroclor-1248 [1]	ND	0.36	mg/Kg dry	16		SW-846 8082A	7/28/18	7/31/18 19:44	KAL
Aroclor-1254 [2]	2.3	0.36	mg/Kg dry	16		SW-846 8082A	7/28/18	7/31/18 19:44	KAL
Aroclor-1260 [1]	ND	0.36	mg/Kg dry	16		SW-846 8082A	7/28/18	7/31/18 19:44	KAL
Aroclor-1262 [1]	ND	0.36	mg/Kg dry	16		SW-846 8082A	7/28/18	7/31/18 19:44	KAL
Aroclor-1268 [1]	ND	0.36	mg/Kg dry	16		SW-846 8082A	7/28/18	7/31/18 19:44	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		95.6	30-150					7/31/18 19:44	
Decachlorobiphenyl [2]		99.8	30-150					7/31/18 19:44	
Tetrachloro-m-xylene [1]		85.4	30-150					7/31/18 19:44	
Tetrachloro-m-xylene [2]		86.9	30-150					7/31/18 19:44	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-1 (1.5-2.5)

Sampled: 7/25/2018 09:22

Sample ID: 18G1033-10

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	140	0.53	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 15:21	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-1 (1.5-2.5)

Sampled: 7/25/2018 09:22

Sample ID: 18G1033-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.0		% Wt	1		SM 2540G	7/27/18	7/29/18 8:44	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-1 (2.5-3.5)

Sampled: 7/25/2018 09:23

Sample ID: 18G1033-11

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:16	KAL
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:16	KAL
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:16	KAL
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:16	KAL
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:16	KAL
Aroclor-1254 [1]	0.47	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:16	KAL
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:16	KAL
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:16	KAL
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:16	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		85.1	30-150					7/31/18 16:16	
Decachlorobiphenyl [2]		89.4	30-150					7/31/18 16:16	
Tetrachloro-m-xylene [1]		66.1	30-150					7/31/18 16:16	
Tetrachloro-m-xylene [2]		65.0	30-150					7/31/18 16:16	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-1 (2.5-3.5)

Sampled: 7/25/2018 09:23

Sample ID: 18G1033-11

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	130	0.55	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 15:25	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-1 (2.5-3.5)

Sampled: 7/25/2018 09:23

Sample ID: 18G1033-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.5		% Wt	1		SM 2540G	7/27/18	7/29/18 8:44	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-5 (0-0.5)

Sampled: 7/25/2018 09:35

Sample ID: 18G1033-12

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.16	mg/Kg dry	8		SW-846 8082A	7/28/18	7/31/18 19:57	KAL
Aroclor-1221 [1]	ND	0.16	mg/Kg dry	8		SW-846 8082A	7/28/18	7/31/18 19:57	KAL
Aroclor-1232 [1]	ND	0.16	mg/Kg dry	8		SW-846 8082A	7/28/18	7/31/18 19:57	KAL
Aroclor-1242 [1]	ND	0.16	mg/Kg dry	8		SW-846 8082A	7/28/18	7/31/18 19:57	KAL
Aroclor-1248 [1]	ND	0.16	mg/Kg dry	8		SW-846 8082A	7/28/18	7/31/18 19:57	KAL
Aroclor-1254 [2]	1.2	0.16	mg/Kg dry	8		SW-846 8082A	7/28/18	7/31/18 19:57	KAL
Aroclor-1260 [1]	ND	0.16	mg/Kg dry	8		SW-846 8082A	7/28/18	7/31/18 19:57	KAL
Aroclor-1262 [1]	ND	0.16	mg/Kg dry	8		SW-846 8082A	7/28/18	7/31/18 19:57	KAL
Aroclor-1268 [1]	ND	0.16	mg/Kg dry	8		SW-846 8082A	7/28/18	7/31/18 19:57	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.5	30-150					7/31/18 19:57	
Decachlorobiphenyl [2]		87.5	30-150					7/31/18 19:57	
Tetrachloro-m-xylene [1]		79.8	30-150					7/31/18 19:57	
Tetrachloro-m-xylene [2]		81.2	30-150					7/31/18 19:57	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-5 (0-0.5)

Sampled: 7/25/2018 09:35

Sample ID: 18G1033-12

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	52	0.54	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 15:53	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-5 (0-0.5)

Sampled: 7/25/2018 09:35

Sample ID: 18G1033-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.1		% Wt	1		SM 2540G	7/27/18	7/29/18 8:44	MJR



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-5 (0.5-1.5)

Sampled: 7/25/2018 09:36

Sample ID: 18G1033-13

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:53	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:53	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:53	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:53	KAL
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:53	KAL
Aroclor-1254 [2]	0.78	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:53	KAL
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:53	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:53	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:53	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	86.4		30-150				7/31/18 16:53		
Decachlorobiphenyl [2]	87.6		30-150				7/31/18 16:53		
Tetrachloro-m-xylene [1]	83.7		30-150				7/31/18 16:53		
Tetrachloro-m-xylene [2]	84.4		30-150				7/31/18 16:53		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-5 (0.5-1.5)

Sampled: 7/25/2018 09:36

Sample ID: 18G1033-13

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	52	0.54	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 15:58	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-5 (0.5-1.5)

Sampled: 7/25/2018 09:36

Sample ID: 18G1033-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.0		% Wt	1		SM 2540G	7/27/18	7/29/18 8:45	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-5 (1.5-2.5)

Sampled: 7/25/2018 09:37

Sample ID: 18G1033-14

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:11	KAL
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:11	KAL
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:11	KAL
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:11	KAL
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:11	KAL
Aroclor-1254 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:11	KAL
Aroclor-1260 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:11	KAL
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:11	KAL
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:11	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		89.0	30-150					7/31/18 17:11	
Decachlorobiphenyl [2]		90.8	30-150					7/31/18 17:11	
Tetrachloro-m-xylene [1]		80.0	30-150					7/31/18 17:11	
Tetrachloro-m-xylene [2]		80.3	30-150					7/31/18 17:11	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-5 (1.5-2.5)

Sampled: 7/25/2018 09:37

Sample ID: 18G1033-14

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	8.8	0.51	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 16:02	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-5 (1.5-2.5)

Sampled: 7/25/2018 09:37

Sample ID: 18G1033-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.3		% Wt	1		SM 2540G	7/27/18	7/29/18 8:45	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-5 (2.5-3.5)

Sampled: 7/25/2018 09:38

Sample ID: 18G1033-15

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:29	KAL
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:29	KAL
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:29	KAL
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:29	KAL
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:29	KAL
Aroclor-1254 [2]	0.12	0.086	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:29	KAL
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:29	KAL
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:29	KAL
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:29	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		88.4	30-150					7/31/18 17:29	
Decachlorobiphenyl [2]		90.2	30-150					7/31/18 17:29	
Tetrachloro-m-xylene [1]		81.7	30-150					7/31/18 17:29	
Tetrachloro-m-xylene [2]		81.2	30-150					7/31/18 17:29	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-5 (2.5-3.5)

Sampled: 7/25/2018 09:38

Sample ID: 18G1033-15

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	130	0.55	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 16:07	QNW



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-5 (2.5-3.5)

Sampled: 7/25/2018 09:38

Sample ID: 18G1033-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.8		% Wt	1		SM 2540G	7/27/18	7/29/18 8:45	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-7 (0-0.5)

Sampled: 7/25/2018 08:50

Sample ID: 18G1033-16

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:47	KAL
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:47	KAL
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:47	KAL
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:47	KAL
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:47	KAL
Aroclor-1254 [2]	0.55	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:47	KAL
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:47	KAL
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:47	KAL
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:47	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.9	30-150					7/31/18 17:47	
Decachlorobiphenyl [2]		86.3	30-150					7/31/18 17:47	
Tetrachloro-m-xylene [1]		78.8	30-150					7/31/18 17:47	
Tetrachloro-m-xylene [2]		79.1	30-150					7/31/18 17:47	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-7 (0-0.5)

Sampled: 7/25/2018 08:50

Sample ID: 18G1033-16

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	23	0.56	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 16:11	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-7 (0-0.5)

Sampled: 7/25/2018 08:50

Sample ID: 18G1033-16

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.7		% Wt	1		SM 2540G	7/27/18	7/29/18 8:45	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-7 (0.5-1.5)

Sampled: 7/25/2018 08:51

Sample ID: 18G1033-17

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	7/28/18	7/31/18 20:10	KAL
Aroclor-1221 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	7/28/18	7/31/18 20:10	KAL
Aroclor-1232 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	7/28/18	7/31/18 20:10	KAL
Aroclor-1242 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	7/28/18	7/31/18 20:10	KAL
Aroclor-1248 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	7/28/18	7/31/18 20:10	KAL
Aroclor-1254 [2]	24	2.2	mg/Kg dry	100		SW-846 8082A	7/28/18	7/31/18 20:10	KAL
Aroclor-1260 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	7/28/18	7/31/18 20:10	KAL
Aroclor-1262 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	7/28/18	7/31/18 20:10	KAL
Aroclor-1268 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	7/28/18	7/31/18 20:10	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			7/31/18 20:10	
Decachlorobiphenyl [2]		*	30-150		S-01			7/31/18 20:10	
Tetrachloro-m-xylene [1]		*	30-150		S-01			7/31/18 20:10	
Tetrachloro-m-xylene [2]		*	30-150		S-01			7/31/18 20:10	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-7 (0.5-1.5)

Sampled: 7/25/2018 08:51

Sample ID: 18G1033-17

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	410	0.53	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 16:16	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-7 (0.5-1.5)

Sampled: 7/25/2018 08:51

Sample ID: 18G1033-17

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.5		% Wt	1		SM 2540G	7/27/18	7/29/18 8:45	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-7 (1.5-2.5)

Sampled: 7/25/2018 08:52

Sample ID: 18G1033-18

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:24	KAL
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:24	KAL
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:24	KAL
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:24	KAL
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:24	KAL
Aroclor-1254 [2]	0.40	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:24	KAL
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:24	KAL
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:24	KAL
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:24	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		73.9	30-150					7/31/18 18:24	
Decachlorobiphenyl [2]		75.6	30-150					7/31/18 18:24	
Tetrachloro-m-xylene [1]		68.3	30-150					7/31/18 18:24	
Tetrachloro-m-xylene [2]		68.7	30-150					7/31/18 18:24	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-7 (1.5-2.5)

Sampled: 7/25/2018 08:52

Sample ID: 18G1033-18

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	51	0.51	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 16:21	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-7 (1.5-2.5)

Sampled: 7/25/2018 08:52

Sample ID: 18G1033-18

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.8		% Wt	1		SM 2540G	7/27/18	7/29/18 8:45	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-7 (2.5-3.5)

Sampled: 7/25/2018 08:53

Sample ID: 18G1033-19

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:42	KAL
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:42	KAL
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:42	KAL
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:42	KAL
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:42	KAL
Aroclor-1254 [2]	0.35	0.087	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:42	KAL
Aroclor-1260 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:42	KAL
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:42	KAL
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:42	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		81.5	30-150					7/31/18 18:42	
Decachlorobiphenyl [2]		82.4	30-150					7/31/18 18:42	
Tetrachloro-m-xylene [1]		77.7	30-150					7/31/18 18:42	
Tetrachloro-m-xylene [2]		78.1	30-150					7/31/18 18:42	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-7 (2.5-3.5)

Sampled: 7/25/2018 08:53

Sample ID: 18G1033-19

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	290	0.55	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 16:26	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1033

Date Received: 7/25/2018

Field Sample #: B-M-7 (2.5-3.5)

Sampled: 7/25/2018 08:53

Sample ID: 18G1033-19

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.0		% Wt	1		SM 2540G	7/27/18	7/29/18 8:45	MJR

**Sample Extraction Data**

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18G1033-01 [B-O-5 (0.5-1.5)]	B208909	07/27/18
18G1033-02 [B-O-5 (1.5-2.5)]	B208909	07/27/18
18G1033-03 [B-O-5 (2.5-3.5)]	B208909	07/27/18
18G1033-04 [B-M-3 (0-0.5)]	B208909	07/27/18
18G1033-05 [B-M-3 (0.5-1.5)]	B208909	07/27/18
18G1033-06 [B-M-3 (1.5-2.5)]	B208909	07/27/18
18G1033-07 [B-M-3 (2.5-3.5)]	B208909	07/27/18
18G1033-08 [B-M-1 (0-0.5)]	B208909	07/27/18
18G1033-09 [B-M-1 (0.5-1.5)]	B208909	07/27/18
18G1033-10 [B-M-1 (1.5-2.5)]	B208909	07/27/18
18G1033-11 [B-M-1 (2.5-3.5)]	B208909	07/27/18
18G1033-12 [B-M-5 (0-0.5)]	B208909	07/27/18
18G1033-13 [B-M-5 (0.5-1.5)]	B208909	07/27/18
18G1033-14 [B-M-5 (1.5-2.5)]	B208909	07/27/18
18G1033-15 [B-M-5 (2.5-3.5)]	B208909	07/27/18
18G1033-16 [B-M-7 (0-0.5)]	B208909	07/27/18
18G1033-17 [B-M-7 (0.5-1.5)]	B208909	07/27/18
18G1033-18 [B-M-7 (1.5-2.5)]	B208909	07/27/18
18G1033-19 [B-M-7 (2.5-3.5)]	B208909	07/27/18

**Prep Method: SW-846 3050B-SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1033-01 [B-O-5 (0.5-1.5)]	B209110	1.57	50.0	07/31/18
18G1033-02 [B-O-5 (1.5-2.5)]	B209110	1.48	50.0	07/31/18
18G1033-03 [B-O-5 (2.5-3.5)]	B209110	1.57	50.0	07/31/18
18G1033-04 [B-M-3 (0-0.5)]	B209110	1.52	50.0	07/31/18
18G1033-05 [B-M-3 (0.5-1.5)]	B209110	1.60	50.0	07/31/18
18G1033-06 [B-M-3 (1.5-2.5)]	B209110	1.59	50.0	07/31/18
18G1033-07 [B-M-3 (2.5-3.5)]	B209110	1.51	50.0	07/31/18
18G1033-08 [B-M-1 (0-0.5)]	B209110	1.51	50.0	07/31/18
18G1033-09 [B-M-1 (0.5-1.5)]	B209110	1.52	50.0	07/31/18
18G1033-10 [B-M-1 (1.5-2.5)]	B209110	1.60	50.0	07/31/18
18G1033-11 [B-M-1 (2.5-3.5)]	B209110	1.55	50.0	07/31/18
18G1033-12 [B-M-5 (0-0.5)]	B209110	1.52	50.0	07/31/18
18G1033-13 [B-M-5 (0.5-1.5)]	B209110	1.53	50.0	07/31/18
18G1033-14 [B-M-5 (1.5-2.5)]	B209110	1.52	50.0	07/31/18
18G1033-15 [B-M-5 (2.5-3.5)]	B209110	1.48	50.0	07/31/18
18G1033-16 [B-M-7 (0-0.5)]	B209110	1.53	50.0	07/31/18
18G1033-17 [B-M-7 (0.5-1.5)]	B209110	1.57	50.0	07/31/18
18G1033-18 [B-M-7 (1.5-2.5)]	B209110	1.60	50.0	07/31/18
18G1033-19 [B-M-7 (2.5-3.5)]	B209110	1.52	50.0	07/31/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1033-01 [B-O-5 (0.5-1.5)]	B208930	10.8	10.0	07/28/18
18G1033-02 [B-O-5 (1.5-2.5)]	B208930	10.1	10.0	07/28/18
18G1033-03 [B-O-5 (2.5-3.5)]	B208930	10.0	10.0	07/28/18
18G1033-04 [B-M-3 (0-0.5)]	B208930	10.8	10.0	07/28/18
18G1033-05 [B-M-3 (0.5-1.5)]	B208930	10.5	10.0	07/28/18
18G1033-06 [B-M-3 (1.5-2.5)]	B208930	10.1	10.0	07/28/18
18G1033-07 [B-M-3 (2.5-3.5)]	B208930	10.5	10.0	07/28/18

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### Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1033-08 [B-M-1 (0-0.5)]	B208930	10.3	10.0	07/28/18
18G1033-09 [B-M-1 (0.5-1.5)]	B208930	10.7	10.0	07/28/18
18G1033-10 [B-M-1 (1.5-2.5)]	B208930	10.0	10.0	07/28/18
18G1033-11 [B-M-1 (2.5-3.5)]	B208930	10.4	10.0	07/28/18
18G1033-12 [B-M-5 (0-0.5)]	B208930	10.7	10.0	07/28/18
18G1033-13 [B-M-5 (0.5-1.5)]	B208930	10.6	10.0	07/28/18
18G1033-14 [B-M-5 (1.5-2.5)]	B208930	10.1	10.0	07/28/18
18G1033-15 [B-M-5 (2.5-3.5)]	B208930	10.1	10.0	07/28/18
18G1033-16 [B-M-7 (0-0.5)]	B208930	10.4	10.0	07/28/18
18G1033-17 [B-M-7 (0.5-1.5)]	B208930	10.0	10.0	07/28/18
18G1033-18 [B-M-7 (1.5-2.5)]	B208930	10.3	10.0	07/28/18
18G1033-19 [B-M-7 (2.5-3.5)]	B208930	10.2	10.0	07/28/18

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B208930 - SW-846 3540C**

**Blank (B208930-BLK1)**

Prepared: 07/28/18 Analyzed: 07/31/18

Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.203		mg/Kg wet	0.200		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.202		mg/Kg wet	0.200		101	30-150			
Surrogate: Tetrachloro-m-xylene	0.192		mg/Kg wet	0.200		95.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.194		mg/Kg wet	0.200		96.8	30-150			

**LCS (B208930-BS1)**

Prepared: 07/28/18 Analyzed: 07/31/18

Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		95.9	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		96.9	40-140			
Aroclor-1260	0.19	0.020	mg/Kg wet	0.200		97.4	40-140			
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		97.0	40-140			
Surrogate: Decachlorobiphenyl	0.203		mg/Kg wet	0.200		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.201		mg/Kg wet	0.200		101	30-150			
Surrogate: Tetrachloro-m-xylene	0.196		mg/Kg wet	0.200		98.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.201		mg/Kg wet	0.200		100	30-150			

**LCS Dup (B208930-BSD1)**

Prepared: 07/28/18 Analyzed: 07/31/18

Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		89.7	40-140	6.74	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		92.2	40-140	4.90	30	
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		91.8	40-140	5.86	30	
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.200		91.6	40-140	5.68	30	
Surrogate: Decachlorobiphenyl	0.194		mg/Kg wet	0.200		96.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.195		mg/Kg wet	0.200		97.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.188		mg/Kg wet	0.200		94.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.193		mg/Kg wet	0.200		96.5	30-150			



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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B208930 - SW-846 3540C**

**Matrix Spike (B208930-MS1)**

**Source: 18G1033-01**

Prepared: 07/28/18 Analyzed: 07/31/18

Aroclor-1016	0.20	0.087	mg/Kg dry	0.217	ND	90.5	40-140			
Aroclor-1016 [2C]	0.21	0.087	mg/Kg dry	0.217	ND	95.4	40-140			
Aroclor-1260	0.24	0.087	mg/Kg dry	0.217	ND	113	40-140			
Aroclor-1260 [2C]	0.26	0.087	mg/Kg dry	0.217	ND	122	40-140			
Surrogate: Decachlorobiphenyl	0.176		mg/Kg dry	0.217		81.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.180		mg/Kg dry	0.217		83.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.168		mg/Kg dry	0.217		77.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.167		mg/Kg dry	0.217		76.9	30-150			

**Matrix Spike Dup (B208930-MSD1)**

**Source: 18G1033-01**

Prepared: 07/28/18 Analyzed: 07/31/18

Aroclor-1016	0.22	0.090	mg/Kg dry	0.225	ND	99.0	40-140	12.9	50	
Aroclor-1016 [2C]	0.23	0.090	mg/Kg dry	0.225	ND	102	40-140	10.3	50	
Aroclor-1260	0.28	0.090	mg/Kg dry	0.225	ND	123	40-140	12.8	50	
Aroclor-1260 [2C]	0.30	0.090	mg/Kg dry	0.225	ND	133	40-140	12.4	50	
Surrogate: Decachlorobiphenyl	0.201		mg/Kg dry	0.225		89.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.204		mg/Kg dry	0.225		90.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.189		mg/Kg dry	0.225		84.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.187		mg/Kg dry	0.225		83.2	30-150			

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**QUALITY CONTROL**

**Metals Analyses (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209110 - SW-846 3050B</b>										
<b>Blank (B209110-BLK1)</b>										
					Prepared: 07/31/18 Analyzed: 08/01/18					
Lead	ND	0.50	mg/Kg wet							
<b>LCS (B209110-BS1)</b>										
					Prepared: 07/31/18 Analyzed: 08/01/18					
Lead	107	1.5	mg/Kg wet	111		96.1	83-117.1			
<b>LCS Dup (B209110-BSD1)</b>										
					Prepared: 07/31/18 Analyzed: 08/01/18					
Lead	110	1.5	mg/Kg wet	111		99.4	83-117.1	3.38	30	
<b>Duplicate (B209110-DUP1)</b>										
					<b>Source: 18G1033-01</b>					
					Prepared: 07/31/18 Analyzed: 08/01/18					
Lead	26.1	0.54	mg/Kg dry		26.1			0.00518	35	
<b>MRL Check (B209110-MRL1)</b>										
					Prepared: 07/31/18 Analyzed: 08/01/18					
Lead	0.584	0.49	mg/Kg wet	0.486		120	80-120			
<b>Matrix Spike (B209110-MS1)</b>										
					<b>Source: 18G1033-01</b>					
					Prepared: 07/31/18 Analyzed: 08/01/18					
Lead	42.8	0.54	mg/Kg dry	18.0	26.1	92.8	75-125			

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**QUALITY CONTROL**

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B208909 - % Solids**

**Duplicate (B208909-DUP5)**

**Source: 18G1033-01**

Prepared: 07/27/18 Analyzed: 07/29/18

% Solids	88.2		% Wt		88.0			0.290	20	
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**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-O-5 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1033-01 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.26	
	2	0.000	-0.030	0.030	0.27	3.8

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-M-3 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1033-04 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	11	
	2	0.000	-0.030	0.030	11	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-M-3 (0.5-1.5)**

Lab Sample ID: 18G1033-05 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.49	
	2	0.000	-0.030	0.030	0.49	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-M-3 (1.5-2.5)**

Lab Sample ID: 18G1033-06 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.25	17.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-M-1 (0-0.5)**

Lab Sample ID: 18G1033-08 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): \_\_\_\_\_ ID: \_\_\_\_\_ (mm) GC Column (2): \_\_\_\_\_ ID: \_\_\_\_\_ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.8	
	2	0.000	-0.030	0.030	2.9	3.5



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-M-1 (0.5-1.5)**

Lab Sample ID: 18G1033-09 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	3.0	
	2	0.000	-0.030	0.030	3.1	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-M-1 (1.5-2.5)**

Lab Sample ID: 18G1033-10 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.3	
	2	0.000	-0.030	0.030	2.3	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-M-1 (2.5-3.5)**

Lab Sample ID: 18G1033-11 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.47	
	2	0.000	-0.030	0.030	0.46	2.2

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-M-5 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1033-12 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.2	
	2	0.000	-0.030	0.030	1.2	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-M-5 (0.5-1.5)**

Lab Sample ID: 18G1033-13 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.74	
	2	0.000	-0.030	0.030	0.78	5.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-M-5 (2.5-3.5)**

Lab Sample ID: 18G1033-15 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.11	
	2	0.000	-0.030	0.030	0.12	8.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-M-7 (0-0.5)**

Lab Sample ID: 18G1033-16 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): \_\_\_\_\_ ID: \_\_\_\_\_ (mm) GC Column (2): \_\_\_\_\_ ID: \_\_\_\_\_ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.54	
	2	0.000	-0.030	0.030	0.55	1.8

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-M-7 (0.5-1.5)**

Lab Sample ID: 18G1033-17 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	24	
	2	0.000	-0.030	0.030	24	0.0



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-M-7 (1.5-2.5)**

Lab Sample ID: 18G1033-18 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.35	
	2	0.000	-0.030	0.030	0.40	13.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-M-7 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1033-19 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.31	
	2	0.000	-0.030	0.030	0.35	9.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

LCS
-----

Lab Sample ID: B208930-BS1 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.19	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.19	5.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

<b>LCS Dup</b>
----------------

Lab Sample ID:                     B208930-BSD1                                          Date(s) Analyzed:           07/31/2018                     07/31/2018          

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.18	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.18	0.0



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**Matrix Spike Dup**

Lab Sample ID:                     B208930-MSD1                                          Date(s) Analyzed:           07/31/2018                     07/31/2018          

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.22	
	2	0.000	-0.030	0.030	0.23	4.4
Aroclor-1260	1	0.000	-0.030	0.030	0.28	
	2	0.000	-0.030	0.030	0.30	6.9

---

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**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
O-32	A dilution was performed as part of the standard analytical procedure.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<b>SW-846 6010D in Soil</b>	
Lead	CT,NH,NY,AIHA,ME,VA,NC
<b>SW-846 8082A in Soil</b>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019





7-Day  10-Day   
 Due Date: \_\_\_\_\_  
 1-Day  3-Day   
 2-Day  4-Day   
 Format: PDF  EXCEL   
 Other: \_\_\_\_\_  
 CUP Like Data Pkg Required   
 Email To: \_\_\_\_\_  
 Fax To #: \_\_\_\_\_

Project Name: Conway  
 Project Location: \_\_\_\_\_  
 Project Number: \_\_\_\_\_  
 Project Manager: \_\_\_\_\_  
 Con-Test Quote Name/Number: \_\_\_\_\_  
 Invoice Recipient: \_\_\_\_\_  
 Sampled By: \_\_\_\_\_

Con-Test Work Order #	Client Sample ID / Description	Requester Name/Phone	Sampling Date/Time	Matrix Code	Special Requirements	MA MCP Required	MA Certificate Form Required	CT RCP Required	RCP Certification Form Required	MA State Bill Required	PWSID #
01	B-0-S (0.5-1.5)		7/24	S							
02	B-0-S (1.5-2.5)										
03	B-0-S (2.5-3.5)										
	B-0-S (3.5-5.5)										
	B-0-S (5.5-7.5)										
	B-0-3 (0.5-5.5)										
	B-0-3 (5.5-7.5)										
	B-0-3 (7.5-9.5)										
04	B-M-3 (0-0.5)		7/25								
05	B-M-3 (0.5-1.5)		7/25								

ANALYSIS REQUESTED

1 Matrix Codes:  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

2 Preservation Codes:  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

3 Container Codes:  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

4 PCB ONLY  
 Soxhlet  
 Non Soxhlet

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Special Requirements:  
 MA MCP Required  
 MA Certificate Form Required  
 CT RCP Required  
 RCP Certification Form Required  
 MA State Bill Required

Project Entity:  
 Government  
 Federal  
 City  
 Municipality  
 21 J  
 Brownfield  
 MWRA  
 School  
 MBTA  
 WRTA  
 Chromatogram  
 AIHA-LAP, LLC

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Relinquished by: (Signature) \_\_\_\_\_ Date/Time: 7/25 08:00  
 Received by: (Signature) \_\_\_\_\_ Date/Time: 7/25/18 16:00  
 Relinquished by: (Signature) \_\_\_\_\_ Date/Time: 7/25/18 19:45  
 Received by: (Signature) \_\_\_\_\_ Date/Time: 7/25/18 19:45  
 Relinquished by: (Signature) \_\_\_\_\_ Date/Time: 7/25/18 19:45  
 Received by: (Signature) \_\_\_\_\_ Date/Time: 7/25/18 19:45

Comments:  
 Samples w/ no checked analyses to be held





Company Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Project Name: Conway  
 Project Location: \_\_\_\_\_  
 Project Number: \_\_\_\_\_  
 Project Manager: \_\_\_\_\_  
 Con-Test Quote Name/Number: \_\_\_\_\_  
 Invoice Recipient: \_\_\_\_\_  
 Sampled By: \_\_\_\_\_

Requested Turnaround Time:  
 7-Day  10-Day   
 Due Date: \_\_\_\_\_  
 Rush Approval Required:  
 1-Day  3-Day   
 2-Day  4-Day   
 Data Delivery:  
 Format: PDF  EXCEL   
 Other: \_\_\_\_\_  
 CLP Like Data Pkg Required.  
 Email To: \_\_\_\_\_  
 Fax To #: \_\_\_\_\_

ANALYSIS REQUESTED

Con-Test Work Order #	Client Sample ID / Description	Requested Date/Time	Priority	Composites	Matrix Code	Matrix Code
12	B-M-S (0-0.5)	7/25	9:35			
13	B-M-S (0.5-1.5)		9:36			
14	B-M-S (1.5-2.5)		9:37			
15	B-M-S (2.5-3.5)		9:38			
	B-M-S (3.5-5.5)		9:39			
16	B-M-S (5.5-7.5)		9:40			
	B-M-7 (0-0.5)		9:50			
17	B-M-7 (0.5-1.5)		8:51			
18	B-M-7 (1.5-2.5)		8:52			
19	B-M-7 (2.5-3.5)		8:53			

PCBS (Soxhlet)

Comments: Surples w/ no nickel analysis

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Reinquished by: (signature) \_\_\_\_\_ Date/Time: 7/25/08 18:00  
 Received by: (signature) \_\_\_\_\_ Date/Time: 7/25/08 18:00  
 Reinquished by: (signature) \_\_\_\_\_ Date/Time: 7/25/08 18:45  
 Received by: (signature) \_\_\_\_\_ Date/Time: 7/25/08 19:45  
 Reinquished by: (signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Received by: (signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Project Entity: \_\_\_\_\_  
 Government  Federal  City   
 Municipality  21 J  Brownfield   
 MWRA  School  MBTA   
 WRTA   
 Chromatogram  AIRA-LAP, LLC   
 Other \_\_\_\_\_



# of Containers: \_\_\_\_\_  
 Preservation Code: \_\_\_\_\_  
 Container Code: \_\_\_\_\_

- 1 Matrix Codes:**  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

- 2 Preservation Codes:**  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

- 3 Container Codes:**  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

PCB ONLY  
 Soxhlet  
 Non Soxhlet



**con-test**  
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False**

Client Weston + Sampson

Received By SE Date 7/25/18 Time 1945

How were the samples received? In Cooler T No Cooler        On Ice T No Ice         
Direct from Sampling        Ambient        Melted Ice       

Were samples within Temperature? 2-6°C T By Gun # 8 Actual Temp - 2.1, 2.4, 3.0  
By Blank #        Actual Temp -       

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A  
Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T  
Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified?       

Are there Rushes? F Who was notified?       

Are there Short Holds? F Who was notified?       

Is there enough Volume? T

Is there Headspace where applicable? N/A MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? F

Do all samples have the proper pH? N/A Acid        Base       

Vials	Containers				
Unp-	1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-	500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-	250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-	Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-	Other Plastic		Other Glass		Encore
Thiosulfate-	SOC Kit		Plastic Bag		Frozen:
Sulfuric-	Perchlorate		Ziplock		

**Unused Media**

Vials	Containers				
Unp-	1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-	500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-	250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-	Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-	Other Plastic		Other Glass		Encore
Thiosulfate-	SOC Kit		Plastic Bag		Frozen:
Sulfuric-	Perchlorate		Ziplock		

**Comments:**

## MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Con-Test Analytical Laboratory			Project #: 18G1033		
Project Location: Conway Park., Somerville, MA			RTN:		
This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)] 18G1033-01 thru 18G1033-19					
Matrices: Soil					
<b>CAM Protocol (check all that below)</b>					
8260 VOC CAM II A ( )	7470/7471 Hg CAM III B ( )	MassDEP VPH CAM IV A ( )	8082 PCB CAM V A (X)	9014 Total Cyanide/PAC CAM VI A ( )	6860 Perchlorate CAM VIII B ( )
8270 SVOC CAM II B ( )	7010 Metals CAM III C ( )	MassDEP VPH CAM IV C ( )	8081 Pesticides CAM V B ( )	7196 Hex Cr CAM VI B ( )	MassDEP APH CAM IX A ( )
6010 Metals CAM III A (X)	6020 Metals CAM III D ( )	MassDEP EPH CAM IV A ( )	8151 Herbicides CAM V C ( )	8330 Explosives CAM VIII A ( )	TO-15 VOC CAM IX B ( )
<b>Affirmative response to Questions A through F is required for "Presumptive Certainty" status</b>					
<b>A</b>	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>B</b>	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>C</b>	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>D</b>	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>E a</b>	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).				<input type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>E b</b>	APH and TO-15 Methods only: Was the complete analyte list reported for each method?				<input type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>F</b>	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all No responses to Questions A through E)?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>A response to questions G, H and I below is required for "Presumptive Certainty" status</b>					
<b>G</b>	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.</b>					
<b>H</b>	Were all QC performance standards specified in the CAM protocol(s) achieved?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>
<b>I</b>	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>
<sup>1</sup> All Negative responses must be addressed in an attached Environmental Laboratory case narrative.					
<b>I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.</b>					
Signature: <u>Tod Kopyscinski</u>			Position: Laboratory Director		
Printed Name: <u>Tod E. Kopyscinski</u>			Date: <u>08/01/18</u>		

August 1, 2018

Taylor Smith  
Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960

Project Location: Conway Park., Somerville, MA  
Client Job Number:  
Project Number: [none]  
Laboratory Work Order Number: 18G1034

Enclosed are results of analyses for samples received by the laboratory on July 25, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Meghan E. Kelley". The signature is written in a cursive style with a large, sweeping flourish at the end.

Meghan E. Kelley  
Project Manager

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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 8/1/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1034

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-M-8 (0-0.5)	18G1034-01	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-M-8 (0.5-1.5)	18G1034-02	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-M-8 (1.5-2.5)	18G1034-03	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-M-8 (2.5-3.5)	18G1034-04	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-M-9 (0-0.5)	18G1034-05	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-M-9 (0.5-1.5)	18G1034-06	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-M-9 (1.5-2.5)	18G1034-07	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-M-9 (2.5-3.5)	18G1034-08	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-M-10 (0-0.5)	18G1034-09	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-M-10 (0.5-1.5)	18G1034-10	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-M-10 (1.5-2.5)	18G1034-11	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-M-10 (2.5-3.5)	18G1034-12	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-M-11 (0-0.5)	18G1034-13	Soil		SM 2540G SW-846 6010D SW-846 8082A	

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Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 8/1/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1034

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-M-11 (0.5-1.5)	18G1034-14	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-M-11 (1.5-2.5)	18G1034-15	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-M-11 (2.5-3.5)	18G1034-16	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-N-10 (0-0.5)	18G1034-17	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-N-10 (0.5-1.5)	18G1034-18	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-N-10 (1.5-2.5)	18G1034-19	Soil		SM 2540G SW-846 6010D SW-846 8082A	

## CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082A

**Qualifications:****O-32**

A dilution was performed as part of the standard analytical procedure.

**Analyte & Samples(s) Qualified:**

18G1034-01[B-M-8 (0-0.5)], 18G1034-04[B-M-8 (2.5-3.5)], 18G1034-05[B-M-9 (0-0.5)], 18G1034-07[B-M-9 (1.5-2.5)], 18G1034-08[B-M-9 (2.5-3.5)],  
18G1034-09[B-M-10 (0-0.5)], 18G1034-10[B-M-10 (0.5-1.5)], 18G1034-17[B-N-10 (0-0.5)], 18G1034-18[B-N-10 (0.5-1.5)], 18G1034-19[B-N-10 (1.5-2.5)]

**S-01**

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**Analyte & Samples(s) Qualified:****Decachlorobiphenyl**

18G1034-14[B-M-11 (0.5-1.5)]

**Decachlorobiphenyl [2C]**

18G1034-14[B-M-11 (0.5-1.5)]

**Tetrachloro-m-xylene**

18G1034-14[B-M-11 (0.5-1.5)]

**Tetrachloro-m-xylene [2C]**

18G1034-14[B-M-11 (0.5-1.5)]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington  
Project Manager

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-8 (0-0.5)

Sampled: 7/25/2018 10:15

Sample ID: 18G1034-01

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:04	KAL
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:04	KAL
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:04	KAL
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:04	KAL
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:04	KAL
Aroclor-1254 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:04	KAL
Aroclor-1260 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:04	KAL
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:04	KAL
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:04	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		88.3	30-150					7/31/18 16:04	
Decachlorobiphenyl [2]		88.4	30-150					7/31/18 16:04	
Tetrachloro-m-xylene [1]		85.2	30-150					7/31/18 16:04	
Tetrachloro-m-xylene [2]		85.2	30-150					7/31/18 16:04	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-8 (0-0.5)

Sampled: 7/25/2018 10:15

Sample ID: 18G1034-01

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	9.8	0.53	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 19:06	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-8 (0-0.5)

Sampled: 7/25/2018 10:15

Sample ID: 18G1034-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.7		% Wt	1		SM 2540G	7/27/18	7/29/18 8:01	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-8 (0.5-1.5)

Sampled: 7/25/2018 10:16

Sample ID: 18G1034-02

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:22	KAL
Aroclor-1221 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:22	KAL
Aroclor-1232 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:22	KAL
Aroclor-1242 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:22	KAL
Aroclor-1248 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:22	KAL
Aroclor-1254 [2]	0.75	0.083	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:22	KAL
Aroclor-1260 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:22	KAL
Aroclor-1262 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:22	KAL
Aroclor-1268 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:22	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	89.9		30-150				7/31/18 16:22		
Decachlorobiphenyl [2]	88.9		30-150				7/31/18 16:22		
Tetrachloro-m-xylene [1]	85.1		30-150				7/31/18 16:22		
Tetrachloro-m-xylene [2]	86.4		30-150				7/31/18 16:22		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-8 (0.5-1.5)

Sampled: 7/25/2018 10:16

Sample ID: 18G1034-02

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	25	0.52	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 19:11	QNW



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-8 (0.5-1.5)

Sampled: 7/25/2018 10:16

Sample ID: 18G1034-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.4		% Wt	1		SM 2540G	7/27/18	7/29/18 8:02	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-8 (1.5-2.5)

Sampled: 7/25/2018 10:17

Sample ID: 18G1034-03

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:39	KAL
Aroclor-1221 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:39	KAL
Aroclor-1232 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:39	KAL
Aroclor-1242 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:39	KAL
Aroclor-1248 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:39	KAL
Aroclor-1254 [2]	0.31	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:39	KAL
Aroclor-1260 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:39	KAL
Aroclor-1262 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:39	KAL
Aroclor-1268 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:39	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	93.2		30-150				7/31/18 16:39		
Decachlorobiphenyl [2]	91.9		30-150				7/31/18 16:39		
Tetrachloro-m-xylene [1]	89.3		30-150				7/31/18 16:39		
Tetrachloro-m-xylene [2]	90.2		30-150				7/31/18 16:39		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-8 (1.5-2.5)

Sampled: 7/25/2018 10:17

Sample ID: 18G1034-03

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	7.3	0.50	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 19:15	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-8 (1.5-2.5)

Sampled: 7/25/2018 10:17

Sample ID: 18G1034-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.6		% Wt	1		SM 2540G	7/27/18	7/29/18 8:02	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-8 (2.5-3.5)

Sampled: 7/25/2018 10:18

Sample ID: 18G1034-04

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:57	KAL
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:57	KAL
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:57	KAL
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:57	KAL
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:57	KAL
Aroclor-1254 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:57	KAL
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:57	KAL
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:57	KAL
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 16:57	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		73.3	30-150					7/31/18 16:57	
Decachlorobiphenyl [2]		74.2	30-150					7/31/18 16:57	
Tetrachloro-m-xylene [1]		73.1	30-150					7/31/18 16:57	
Tetrachloro-m-xylene [2]		74.2	30-150					7/31/18 16:57	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-8 (2.5-3.5)

Sampled: 7/25/2018 10:18

Sample ID: 18G1034-04

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	57	0.58	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 19:20	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-8 (2.5-3.5)

Sampled: 7/25/2018 10:18

Sample ID: 18G1034-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.5		% Wt	1		SM 2540G	7/27/18	7/29/18 8:02	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-9 (0-0.5)

Sampled: 7/25/2018 10:25

Sample ID: 18G1034-05

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:15	KAL
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:15	KAL
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:15	KAL
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:15	KAL
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:15	KAL
Aroclor-1254 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:15	KAL
Aroclor-1260 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:15	KAL
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:15	KAL
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:15	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		93.2	30-150					7/31/18 17:15	
Decachlorobiphenyl [2]		92.9	30-150					7/31/18 17:15	
Tetrachloro-m-xylene [1]		88.8	30-150					7/31/18 17:15	
Tetrachloro-m-xylene [2]		91.1	30-150					7/31/18 17:15	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-9 (0-0.5)

Sampled: 7/25/2018 10:25

Sample ID: 18G1034-05

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	7.6	0.53	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 19:25	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-9 (0-0.5)

Sampled: 7/25/2018 10:25

Sample ID: 18G1034-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.4		% Wt	1		SM 2540G	7/27/18	7/29/18 8:02	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-9 (0.5-1.5)

Sampled: 7/25/2018 10:26

Sample ID: 18G1034-06

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:33	KAL
Aroclor-1221 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:33	KAL
Aroclor-1232 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:33	KAL
Aroclor-1242 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:33	KAL
Aroclor-1248 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:33	KAL
Aroclor-1254 [2]	0.19	0.080	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:33	KAL
Aroclor-1260 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:33	KAL
Aroclor-1262 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:33	KAL
Aroclor-1268 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:33	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		89.1	30-150					7/31/18 17:33	
Decachlorobiphenyl [2]		89.2	30-150					7/31/18 17:33	
Tetrachloro-m-xylene [1]		87.9	30-150					7/31/18 17:33	
Tetrachloro-m-xylene [2]		89.9	30-150					7/31/18 17:33	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-9 (0.5-1.5)

Sampled: 7/25/2018 10:26

Sample ID: 18G1034-06

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	13	0.52	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 19:41	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-9 (0.5-1.5)

Sampled: 7/25/2018 10:26

Sample ID: 18G1034-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.8		% Wt	1		SM 2540G	7/27/18	7/29/18 8:02	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-9 (1.5-2.5)

Sampled: 7/25/2018 10:27

Sample ID: 18G1034-07

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:50	KAL
Aroclor-1221 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:50	KAL
Aroclor-1232 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:50	KAL
Aroclor-1242 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:50	KAL
Aroclor-1248 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:50	KAL
Aroclor-1254 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:50	KAL
Aroclor-1260 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:50	KAL
Aroclor-1262 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:50	KAL
Aroclor-1268 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:50	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		80.9	30-150					7/31/18 17:50	
Decachlorobiphenyl [2]		87.7	30-150					7/31/18 17:50	
Tetrachloro-m-xylene [1]		83.7	30-150					7/31/18 17:50	
Tetrachloro-m-xylene [2]		85.5	30-150					7/31/18 17:50	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-9 (1.5-2.5)

Sampled: 7/25/2018 10:27

Sample ID: 18G1034-07

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	110	0.54	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 19:45	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-9 (1.5-2.5)

Sampled: 7/25/2018 10:27

Sample ID: 18G1034-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.9		% Wt	1		SM 2540G	7/27/18	7/29/18 8:02	MJR



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-9 (2.5-3.5)

Sampled: 7/25/2018 10:28

Sample ID: 18G1034-08

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:08	KAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:08	KAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:08	KAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:08	KAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:08	KAL
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:08	KAL
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:08	KAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:08	KAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:08	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		87.4	30-150					7/31/18 18:08	
Decachlorobiphenyl [2]		90.2	30-150					7/31/18 18:08	
Tetrachloro-m-xylene [1]		87.2	30-150					7/31/18 18:08	
Tetrachloro-m-xylene [2]		89.4	30-150					7/31/18 18:08	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-9 (2.5-3.5)

Sampled: 7/25/2018 10:28

Sample ID: 18G1034-08

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	22	0.58	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 19:50	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-9 (2.5-3.5)

Sampled: 7/25/2018 10:28

Sample ID: 18G1034-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.2		% Wt	1		SM 2540G	7/27/18	7/29/18 8:03	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-10 (0-0.5)

Sampled: 7/25/2018 10:40

Sample ID: 18G1034-09

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:26	KAL
Aroclor-1221 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:26	KAL
Aroclor-1232 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:26	KAL
Aroclor-1242 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:26	KAL
Aroclor-1248 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:26	KAL
Aroclor-1254 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:26	KAL
Aroclor-1260 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:26	KAL
Aroclor-1262 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:26	KAL
Aroclor-1268 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:26	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		98.5	30-150					7/31/18 18:26	
Decachlorobiphenyl [2]		96.8	30-150					7/31/18 18:26	
Tetrachloro-m-xylene [1]		88.1	30-150					7/31/18 18:26	
Tetrachloro-m-xylene [2]		89.4	30-150					7/31/18 18:26	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-10 (0-0.5)

Sampled: 7/25/2018 10:40

Sample ID: 18G1034-09

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	6.2	0.53	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 19:55	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-10 (0-0.5)

Sampled: 7/25/2018 10:40

Sample ID: 18G1034-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.4		% Wt	1		SM 2540G	7/27/18	7/29/18 8:03	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-10 (0.5-1.5)

Sampled: 7/25/2018 10:41

Sample ID: 18G1034-10

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 19:32	KAL
Aroclor-1221 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 19:32	KAL
Aroclor-1232 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 19:32	KAL
Aroclor-1242 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 19:32	KAL
Aroclor-1248 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 19:32	KAL
Aroclor-1254 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 19:32	KAL
Aroclor-1260 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 19:32	KAL
Aroclor-1262 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 19:32	KAL
Aroclor-1268 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 19:32	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		91.7	30-150					7/31/18 19:32	
Decachlorobiphenyl [2]		92.9	30-150					7/31/18 19:32	
Tetrachloro-m-xylene [1]		86.1	30-150					7/31/18 19:32	
Tetrachloro-m-xylene [2]		86.4	30-150					7/31/18 19:32	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-10 (0.5-1.5)

Sampled: 7/25/2018 10:41

Sample ID: 18G1034-10

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	19	0.52	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 20:00	QNW



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-10 (0.5-1.5)

Sampled: 7/25/2018 10:41

Sample ID: 18G1034-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.4		% Wt	1		SM 2540G	7/27/18	7/29/18 8:03	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-10 (1.5-2.5)

Sampled: 7/25/2018 10:42

Sample ID: 18G1034-11

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 19:49	KAL
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 19:49	KAL
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 19:49	KAL
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 19:49	KAL
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 19:49	KAL
Aroclor-1254 [2]	0.73	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 19:49	KAL
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 19:49	KAL
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 19:49	KAL
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 19:49	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		88.4	30-150					7/31/18 19:49	
Decachlorobiphenyl [2]		92.0	30-150					7/31/18 19:49	
Tetrachloro-m-xylene [1]		91.1	30-150					7/31/18 19:49	
Tetrachloro-m-xylene [2]		93.3	30-150					7/31/18 19:49	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-10 (1.5-2.5)

Sampled: 7/25/2018 10:42

Sample ID: 18G1034-11

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	27	0.54	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 20:04	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-10 (1.5-2.5)

Sampled: 7/25/2018 10:42

Sample ID: 18G1034-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.5		% Wt	1		SM 2540G	7/27/18	7/29/18 8:03	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-10 (2.5-3.5)

Sampled: 7/25/2018 10:43

Sample ID: 18G1034-12

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 20:07	KAL
Aroclor-1221 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 20:07	KAL
Aroclor-1232 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 20:07	KAL
Aroclor-1242 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 20:07	KAL
Aroclor-1248 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 20:07	KAL
Aroclor-1254 [2]	0.21	0.080	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 20:07	KAL
Aroclor-1260 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 20:07	KAL
Aroclor-1262 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 20:07	KAL
Aroclor-1268 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 20:07	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		90.2	30-150					7/31/18 20:07	
Decachlorobiphenyl [2]		94.2	30-150					7/31/18 20:07	
Tetrachloro-m-xylene [1]		87.4	30-150					7/31/18 20:07	
Tetrachloro-m-xylene [2]		89.9	30-150					7/31/18 20:07	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-10 (2.5-3.5)

Sampled: 7/25/2018 10:43

Sample ID: 18G1034-12

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	67	0.53	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 20:08	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-10 (2.5-3.5)

Sampled: 7/25/2018 10:43

Sample ID: 18G1034-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.2		% Wt	1		SM 2540G	7/27/18	7/29/18 8:03	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-11 (0-0.5)

Sampled: 7/25/2018 11:05

Sample ID: 18G1034-13

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 20:25	KAL
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 20:25	KAL
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 20:25	KAL
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 20:25	KAL
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 20:25	KAL
Aroclor-1254 [2]	1.1	0.089	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 20:25	KAL
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 20:25	KAL
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 20:25	KAL
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 20:25	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		83.9	30-150					7/31/18 20:25	
Decachlorobiphenyl [2]		87.8	30-150					7/31/18 20:25	
Tetrachloro-m-xylene [1]		81.9	30-150					7/31/18 20:25	
Tetrachloro-m-xylene [2]		85.3	30-150					7/31/18 20:25	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-11 (0-0.5)

Sampled: 7/25/2018 11:05

Sample ID: 18G1034-13

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	55	0.58	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 20:14	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-11 (0-0.5)

Sampled: 7/25/2018 11:05

Sample ID: 18G1034-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.9		% Wt	1		SM 2540G	7/27/18	7/29/18 8:03	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-11 (0.5-1.5)

Sampled: 7/25/2018 11:06

Sample ID: 18G1034-14

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.85	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 23:04	KAL
Aroclor-1221 [1]	ND	0.85	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 23:04	KAL
Aroclor-1232 [1]	ND	0.85	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 23:04	KAL
Aroclor-1242 [1]	ND	0.85	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 23:04	KAL
Aroclor-1248 [1]	ND	0.85	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 23:04	KAL
Aroclor-1254 [2]	4.0	0.85	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 23:04	KAL
Aroclor-1260 [1]	ND	0.85	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 23:04	KAL
Aroclor-1262 [1]	ND	0.85	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 23:04	KAL
Aroclor-1268 [1]	ND	0.85	mg/Kg dry	40		SW-846 8082A	7/28/18	7/31/18 23:04	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			7/31/18 23:04	
Decachlorobiphenyl [2]		*	30-150		S-01			7/31/18 23:04	
Tetrachloro-m-xylene [1]		*	30-150		S-01			7/31/18 23:04	
Tetrachloro-m-xylene [2]		*	30-150		S-01			7/31/18 23:04	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-11 (0.5-1.5)

Sampled: 7/25/2018 11:06

Sample ID: 18G1034-14

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	170	0.56	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 20:19	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-11 (0.5-1.5)

Sampled: 7/25/2018 11:06

Sample ID: 18G1034-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.5		% Wt	1		SM 2540G	7/27/18	7/29/18 8:03	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-11 (1.5-2.5)

Sampled: 7/25/2018 11:07

Sample ID: 18G1034-15

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.40	mg/Kg dry	20		SW-846 8082A	7/28/18	7/31/18 23:22	KAL
Aroclor-1221 [1]	ND	0.40	mg/Kg dry	20		SW-846 8082A	7/28/18	7/31/18 23:22	KAL
Aroclor-1232 [1]	ND	0.40	mg/Kg dry	20		SW-846 8082A	7/28/18	7/31/18 23:22	KAL
Aroclor-1242 [1]	ND	0.40	mg/Kg dry	20		SW-846 8082A	7/28/18	7/31/18 23:22	KAL
Aroclor-1248 [1]	ND	0.40	mg/Kg dry	20		SW-846 8082A	7/28/18	7/31/18 23:22	KAL
Aroclor-1254 [2]	1.9	0.40	mg/Kg dry	20		SW-846 8082A	7/28/18	7/31/18 23:22	KAL
Aroclor-1260 [1]	ND	0.40	mg/Kg dry	20		SW-846 8082A	7/28/18	7/31/18 23:22	KAL
Aroclor-1262 [1]	ND	0.40	mg/Kg dry	20		SW-846 8082A	7/28/18	7/31/18 23:22	KAL
Aroclor-1268 [1]	ND	0.40	mg/Kg dry	20		SW-846 8082A	7/28/18	7/31/18 23:22	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		96.7	30-150					7/31/18 23:22	
Decachlorobiphenyl [2]		92.2	30-150					7/31/18 23:22	
Tetrachloro-m-xylene [1]		83.8	30-150					7/31/18 23:22	
Tetrachloro-m-xylene [2]		81.9	30-150					7/31/18 23:22	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-11 (1.5-2.5)

Sampled: 7/25/2018 11:07

Sample ID: 18G1034-15

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	72	0.53	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 20:23	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-11 (1.5-2.5)

Sampled: 7/25/2018 11:07

Sample ID: 18G1034-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.1		% Wt	1		SM 2540G	7/27/18	7/29/18 8:03	MJR



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-11 (2.5-3.5)

Sampled: 7/25/2018 11:08

Sample ID: 18G1034-16

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:18	KAL
Aroclor-1221 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:18	KAL
Aroclor-1232 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:18	KAL
Aroclor-1242 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:18	KAL
Aroclor-1248 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:18	KAL
Aroclor-1254 [2]	0.21	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:18	KAL
Aroclor-1260 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:18	KAL
Aroclor-1262 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:18	KAL
Aroclor-1268 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:18	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		90.7	30-150					7/31/18 21:18	
Decachlorobiphenyl [2]		94.7	30-150					7/31/18 21:18	
Tetrachloro-m-xylene [1]		89.6	30-150					7/31/18 21:18	
Tetrachloro-m-xylene [2]		91.9	30-150					7/31/18 21:18	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-11 (2.5-3.5)

Sampled: 7/25/2018 11:08

Sample ID: 18G1034-16

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	29	0.52	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 20:55	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-M-11 (2.5-3.5)

Sampled: 7/25/2018 11:08

Sample ID: 18G1034-16

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.4		% Wt	1		SM 2540G	7/27/18	7/29/18 8:04	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-N-10 (0-0.5)

Sampled: 7/25/2018 11:20

Sample ID: 18G1034-17

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:36	KAL
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:36	KAL
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:36	KAL
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:36	KAL
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:36	KAL
Aroclor-1254 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:36	KAL
Aroclor-1260 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:36	KAL
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:36	KAL
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:36	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		70.8	30-150					7/31/18 21:36	
Decachlorobiphenyl [2]		69.5	30-150					7/31/18 21:36	
Tetrachloro-m-xylene [1]		61.8	30-150					7/31/18 21:36	
Tetrachloro-m-xylene [2]		63.2	30-150					7/31/18 21:36	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-N-10 (0-0.5)

Sampled: 7/25/2018 11:20

Sample ID: 18G1034-17

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	7.2	0.55	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 20:59	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-N-10 (0-0.5)

Sampled: 7/25/2018 11:20

Sample ID: 18G1034-17

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.5		% Wt	1		SM 2540G	7/27/18	7/29/18 8:04	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-N-10 (0.5-1.5)

Sampled: 7/25/2018 11:21

Sample ID: 18G1034-18

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:53	KAL
Aroclor-1221 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:53	KAL
Aroclor-1232 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:53	KAL
Aroclor-1242 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:53	KAL
Aroclor-1248 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:53	KAL
Aroclor-1254 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:53	KAL
Aroclor-1260 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:53	KAL
Aroclor-1262 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:53	KAL
Aroclor-1268 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:53	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		95.3	30-150					7/31/18 21:53	
Decachlorobiphenyl [2]		94.7	30-150					7/31/18 21:53	
Tetrachloro-m-xylene [1]		82.4	30-150					7/31/18 21:53	
Tetrachloro-m-xylene [2]		84.5	30-150					7/31/18 21:53	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-N-10 (0.5-1.5)

Sampled: 7/25/2018 11:21

Sample ID: 18G1034-18

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	5.6	0.51	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 21:04	QNW



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-N-10 (0.5-1.5)

Sampled: 7/25/2018 11:21

Sample ID: 18G1034-18

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.2		% Wt	1		SM 2540G	7/27/18	7/29/18 8:04	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-N-10 (1.5-2.5)

Sampled: 7/25/2018 11:22

Sample ID: 18G1034-19

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 22:11	KAL
Aroclor-1221 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 22:11	KAL
Aroclor-1232 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 22:11	KAL
Aroclor-1242 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 22:11	KAL
Aroclor-1248 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 22:11	KAL
Aroclor-1254 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 22:11	KAL
Aroclor-1260 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 22:11	KAL
Aroclor-1262 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 22:11	KAL
Aroclor-1268 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 22:11	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		83.9	30-150					7/31/18 22:11	
Decachlorobiphenyl [2]		85.6	30-150					7/31/18 22:11	
Tetrachloro-m-xylene [1]		80.8	30-150					7/31/18 22:11	
Tetrachloro-m-xylene [2]		83.5	30-150					7/31/18 22:11	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-N-10 (1.5-2.5)

Sampled: 7/25/2018 11:22

Sample ID: 18G1034-19

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	13	0.51	mg/Kg dry	1		SW-846 6010D	7/30/18	7/31/18 21:08	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1034

Date Received: 7/25/2018

Field Sample #: B-N-10 (1.5-2.5)

Sampled: 7/25/2018 11:22

Sample ID: 18G1034-19

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.7		% Wt	1		SM 2540G	7/27/18	7/29/18 8:04	MJR

**Sample Extraction Data**

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18G1034-01 [B-M-8 (0-0.5)]	B208917	07/27/18
18G1034-02 [B-M-8 (0.5-1.5)]	B208917	07/27/18
18G1034-03 [B-M-8 (1.5-2.5)]	B208917	07/27/18
18G1034-04 [B-M-8 (2.5-3.5)]	B208917	07/27/18
18G1034-05 [B-M-9 (0-0.5)]	B208917	07/27/18
18G1034-06 [B-M-9 (0.5-1.5)]	B208917	07/27/18
18G1034-07 [B-M-9 (1.5-2.5)]	B208917	07/27/18
18G1034-08 [B-M-9 (2.5-3.5)]	B208917	07/27/18
18G1034-09 [B-M-10 (0-0.5)]	B208917	07/27/18
18G1034-10 [B-M-10 (0.5-1.5)]	B208917	07/27/18
18G1034-11 [B-M-10 (1.5-2.5)]	B208917	07/27/18
18G1034-12 [B-M-10 (2.5-3.5)]	B208917	07/27/18
18G1034-13 [B-M-11 (0-0.5)]	B208917	07/27/18
18G1034-14 [B-M-11 (0.5-1.5)]	B208917	07/27/18
18G1034-15 [B-M-11 (1.5-2.5)]	B208917	07/27/18
18G1034-16 [B-M-11 (2.5-3.5)]	B208917	07/27/18
18G1034-17 [B-N-10 (0-0.5)]	B208917	07/27/18
18G1034-18 [B-N-10 (0.5-1.5)]	B208917	07/27/18
18G1034-19 [B-N-10 (1.5-2.5)]	B208917	07/27/18

**Prep Method: SW-846 3050B-SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1034-01 [B-M-8 (0-0.5)]	B209033	1.51	50.0	07/30/18
18G1034-02 [B-M-8 (0.5-1.5)]	B209033	1.51	50.0	07/30/18
18G1034-03 [B-M-8 (1.5-2.5)]	B209033	1.55	50.0	07/30/18
18G1034-04 [B-M-8 (2.5-3.5)]	B209033	1.51	50.0	07/30/18
18G1034-05 [B-M-9 (0-0.5)]	B209033	1.53	50.0	07/30/18
18G1034-06 [B-M-9 (0.5-1.5)]	B209033	1.53	50.0	07/30/18
18G1034-07 [B-M-9 (1.5-2.5)]	B209033	1.49	50.0	07/30/18
18G1034-08 [B-M-9 (2.5-3.5)]	B209033	1.48	50.0	07/30/18
18G1034-09 [B-M-10 (0-0.5)]	B209033	1.51	50.0	07/30/18
18G1034-10 [B-M-10 (0.5-1.5)]	B209033	1.52	50.0	07/30/18
18G1034-11 [B-M-10 (1.5-2.5)]	B209033	1.48	50.0	07/30/18
18G1034-12 [B-M-10 (2.5-3.5)]	B209033	1.51	50.0	07/30/18
18G1034-13 [B-M-11 (0-0.5)]	B209033	1.48	50.0	07/30/18
18G1034-14 [B-M-11 (0.5-1.5)]	B209033	1.47	50.0	07/30/18
18G1034-15 [B-M-11 (1.5-2.5)]	B209033	1.50	50.0	07/30/18
18G1034-16 [B-M-11 (2.5-3.5)]	B209033	1.51	50.0	07/30/18
18G1034-17 [B-N-10 (0-0.5)]	B209033	1.52	50.0	07/30/18
18G1034-18 [B-N-10 (0.5-1.5)]	B209033	1.54	50.0	07/30/18
18G1034-19 [B-N-10 (1.5-2.5)]	B209033	1.53	50.0	07/30/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1034-01 [B-M-8 (0-0.5)]	B208929	10.5	10.0	07/28/18
18G1034-02 [B-M-8 (0.5-1.5)]	B208929	10.1	10.0	07/28/18
18G1034-03 [B-M-8 (1.5-2.5)]	B208929	10.5	10.0	07/28/18
18G1034-04 [B-M-8 (2.5-3.5)]	B208929	10.3	10.0	07/28/18
18G1034-05 [B-M-9 (0-0.5)]	B208929	10.5	10.0	07/28/18
18G1034-06 [B-M-9 (0.5-1.5)]	B208929	10.6	10.0	07/28/18
18G1034-07 [B-M-9 (1.5-2.5)]	B208929	10.7	10.0	07/28/18

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**Sample Extraction Data****Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1034-08 [B-M-9 (2.5-3.5)]	B208929	10.2	10.0	07/28/18
18G1034-09 [B-M-10 (0-0.5)]	B208929	10.5	10.0	07/28/18
18G1034-10 [B-M-10 (0.5-1.5)]	B208929	10.4	10.0	07/28/18
18G1034-11 [B-M-10 (1.5-2.5)]	B208929	10.1	10.0	07/28/18
18G1034-12 [B-M-10 (2.5-3.5)]	B208929	10.7	10.0	07/28/18
18G1034-13 [B-M-11 (0-0.5)]	B208929	10.4	10.0	07/28/18
18G1034-14 [B-M-11 (0.5-1.5)]	B208929	10.3	10.0	07/28/18
18G1034-15 [B-M-11 (1.5-2.5)]	B208929	10.7	10.0	07/28/18
18G1034-16 [B-M-11 (2.5-3.5)]	B208929	10.5	10.0	07/28/18
18G1034-17 [B-N-10 (0-0.5)]	B208929	10.2	10.0	07/28/18
18G1034-18 [B-N-10 (0.5-1.5)]	B208929	10.3	10.0	07/28/18
18G1034-19 [B-N-10 (1.5-2.5)]	B208929	10.3	10.0	07/28/18

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B208929 - SW-846 3540C**

**Blank (B208929-BLK1)**

Prepared: 07/28/18 Analyzed: 07/31/18

Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.195		mg/Kg wet	0.200		97.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.203		mg/Kg wet	0.200		102	30-150			
Surrogate: Tetrachloro-m-xylene	0.189		mg/Kg wet	0.200		94.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.196		mg/Kg wet	0.200		98.1	30-150			

**LCS (B208929-BS1)**

Prepared: 07/28/18 Analyzed: 07/31/18

Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		95.1	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		95.2	40-140			
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		90.9	40-140			
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.200		90.1	40-140			
Surrogate: Decachlorobiphenyl	0.198		mg/Kg wet	0.200		99.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.208		mg/Kg wet	0.200		104	30-150			
Surrogate: Tetrachloro-m-xylene	0.196		mg/Kg wet	0.200		97.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.203		mg/Kg wet	0.200		101	30-150			

**LCS Dup (B208929-BSD1)**

Prepared: 07/28/18 Analyzed: 07/31/18

Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		94.4	40-140	0.772	30	
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		94.1	40-140	1.12	30	
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		90.4	40-140	0.530	30	
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.200		89.8	40-140	0.399	30	
Surrogate: Decachlorobiphenyl	0.198		mg/Kg wet	0.200		98.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.207		mg/Kg wet	0.200		104	30-150			
Surrogate: Tetrachloro-m-xylene	0.198		mg/Kg wet	0.200		99.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.206		mg/Kg wet	0.200		103	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B208929 - SW-846 3540C**

**Matrix Spike (B208929-MS1)**

**Source: 18G1034-01**

Prepared: 07/28/18 Analyzed: 07/31/18

Aroclor-1016	0.21	0.085	mg/Kg dry	0.212	ND	100	40-140			
Aroclor-1016 [2C]	0.21	0.085	mg/Kg dry	0.212	ND	101	40-140			
Aroclor-1260	0.20	0.085	mg/Kg dry	0.212	ND	93.7	40-140			
Aroclor-1260 [2C]	0.20	0.085	mg/Kg dry	0.212	ND	94.5	40-140			
Surrogate: Decachlorobiphenyl	0.202		mg/Kg dry	0.212		95.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.199		mg/Kg dry	0.212		94.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.191		mg/Kg dry	0.212		90.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.195		mg/Kg dry	0.212		92.3	30-150			

**Matrix Spike Dup (B208929-MSD1)**

**Source: 18G1034-01**

Prepared: 07/28/18 Analyzed: 07/31/18

Aroclor-1016	0.21	0.085	mg/Kg dry	0.212	ND	101	40-140	0.601	50	
Aroclor-1016 [2C]	0.20	0.085	mg/Kg dry	0.212	ND	93.8	40-140	7.49	50	
Aroclor-1260	0.18	0.085	mg/Kg dry	0.212	ND	87.2	40-140	7.22	50	
Aroclor-1260 [2C]	0.19	0.085	mg/Kg dry	0.212	ND	89.0	40-140	5.98	50	
Surrogate: Decachlorobiphenyl	0.196		mg/Kg dry	0.212		92.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.194		mg/Kg dry	0.212		91.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.186		mg/Kg dry	0.212		87.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.190		mg/Kg dry	0.212		89.6	30-150			



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**QUALITY CONTROL**

**Metals Analyses (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209033 - SW-846 3050B</b>										
<b>Blank (B209033-BLK1)</b>					Prepared: 07/30/18 Analyzed: 07/31/18					
Lead	ND	0.50	mg/Kg wet							
<b>LCS (B209033-BS1)</b>					Prepared: 07/30/18 Analyzed: 07/31/18					
Lead	98.8	1.5	mg/Kg wet	111		89.0	83-117.1			
<b>LCS Dup (B209033-BSD1)</b>					Prepared: 07/30/18 Analyzed: 07/31/18					
Lead	103	1.5	mg/Kg wet	111		92.5	83-117.1	3.86	30	
<b>Duplicate (B209033-DUP1)</b>					<b>Source: 18G1034-01</b> Prepared: 07/30/18 Analyzed: 07/31/18					
Lead	9.37	0.54	mg/Kg dry		9.79			4.31	35	
<b>MRL Check (B209033-MRL1)</b>					Prepared: 07/30/18 Analyzed: 07/31/18					
Lead	0.496	0.50	mg/Kg wet	0.495		100	80-120			
<b>Matrix Spike (B209033-MS1)</b>					<b>Source: 18G1034-01</b> Prepared: 07/30/18 Analyzed: 07/31/18					
Lead	24.9	0.54	mg/Kg dry	18.1	9.79	83.9	75-125			

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**QUALITY CONTROL**

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B208917 - % Solids</b>										
<b>Duplicate (B208917-DUP1)</b>	<b>Source: 18G1034-01</b>			Prepared: 07/27/18 Analyzed: 07/29/18						
% Solids	92.6		% Wt		92.7			0.116	20	
<b>Duplicate (B208917-DUP2)</b>	<b>Source: 18G1034-11</b>			Prepared: 07/27/18 Analyzed: 07/29/18						
% Solids	93.4		% Wt		93.5			0.107	20	

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-M-8 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1034-02 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.73	
	2	0.000	-0.030	0.030	0.75	2.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-M-8 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1034-03 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.31	
	2	0.000	-0.030	0.030	0.31	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-M-9 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1034-06 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.19	11.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-M-10 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1034-11 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.69	
	2	0.000	-0.030	0.030	0.73	5.6

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-M-10 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1034-12 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.21	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-M-11 (0-0.5)**

Lab Sample ID: 18G1034-13 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.0	
	2	0.000	-0.030	0.030	1.1	9.5



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-M-11 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1034-14 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	3.9	
	2	0.000	-0.030	0.030	4.0	2.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-M-11 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1034-15 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.9	
	2	0.000	-0.030	0.030	1.9	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-M-11 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1034-16 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.21	21.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

<b>LCS</b>
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*SW-846 8082A*

Lab Sample ID:                   B208929-BS1                                        Date(s) Analyzed:           07/31/2018                     07/31/2018          

Instrument ID (1):                   ECD4                                        Instrument ID (2):                   ECD4                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.19	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.18	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**LCS Dup**

*SW-846 8082A*

Lab Sample ID:                   B208929-BSD1                                        Date(s) Analyzed:           07/31/2018                     07/31/2018          

Instrument ID (1):                   ECD4                                                        Instrument ID (2):                   ECD4                  

GC Column (1):                                      ID:                      (mm)                      GC Column (2):                                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.19	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.18	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike**

*SW-846 8082A*

Lab Sample ID:                   B208929-MS1                                        Date(s) Analyzed:           07/31/2018                     07/31/2018          

Instrument ID (1):                   ECD4                                        Instrument ID (2):                   ECD4                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.21	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.20	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike Dup**

*SW-846 8082A*

Lab Sample ID:                   B208929-MSD1                                        Date(s) Analyzed:           07/31/2018                        07/31/2018          

Instrument ID (1):                   ECD4                                                        Instrument ID (2):                   ECD4                  

GC Column (1):                                      ID:                      (mm)                      GC Column (2):                                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.20	4.9
Aroclor-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.19	5.4

---

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**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
O-32	A dilution was performed as part of the standard analytical procedure.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.



**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<b>SW-846 6010D in Soil</b>	
Lead	CT,NH,NY,AIHA,ME,VA,NC
<b>SW-846 8082A in Soil</b>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019



186-1034  
Phone: 413-525-2332  
Fax: 413-525-6405  
Email: info@con-testlabs.com



Company Name: MEK  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Project Name: COA Analy  
 Project Location: \_\_\_\_\_  
 Project Number: \_\_\_\_\_  
 Project Manager: \_\_\_\_\_  
 Con-Test Quote Name/Number: \_\_\_\_\_  
 Invoice Recipient: \_\_\_\_\_  
 Sampled By: \_\_\_\_\_

Requested Turnaround Time:  
 7-Day  10-Day   
 Due Date: \_\_\_\_\_  
 Rush Approval Requested:  
 1-Day  3-Day   
 2-Day  4-Day   
 Data Delivery:  
 Format: PDF  EXCEL   
 Other: \_\_\_\_\_  
 CLP Like Data Pkg Required:   
 Email To: \_\_\_\_\_  
 Fax To #: \_\_\_\_\_

ANALYSIS REQUESTED

Sample ID	Priority	Analysis Requested	Notes
B-M-8 (5.5-15)	7/25	Lead PCBs (soxhlet)	
B-M-8 (7.5-9.3)			
B-M-8 (9.5-11.5)			
B-M-9 (11.5-13.5)			
B-M-9 (0-0.5)			
B-M-9 (0.5-1.5)			
B-M-9 (1.5-2.5)			
B-M-9 (2.5-3.5)			
B-M-9 (3.5-5.5)			
B-M-9 (5.5-7.5)			

Sample ID	Priority	Analysis Requested	Notes
B-M-8 (5.5-15)	7/25	Lead PCBs (soxhlet)	
B-M-8 (7.5-9.3)			
B-M-8 (9.5-11.5)			
B-M-9 (11.5-13.5)			
B-M-9 (0-0.5)			
B-M-9 (0.5-1.5)			
B-M-9 (1.5-2.5)			
B-M-9 (2.5-3.5)			
B-M-9 (3.5-5.5)			
B-M-9 (5.5-7.5)			

Comments: Samples w/ no checked analyses to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/25/18 16:02  
 Received by: (signature) \_\_\_\_\_ Date/Time: 7/25/18 16:02  
 Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/25/18 19:45  
 Received by: (signature) \_\_\_\_\_ Date/Time: 7/25/18 19:45  
 Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/25/18 19:45  
 Received by: (signature) \_\_\_\_\_ Date/Time: 7/25/18 19:45

Special Requirements:  
 MA MCP Required  MA MCP Required   
 MCP Certification Form Required  CT RCP Required   
 RCP Certification Form Required  MA State 900 Required   
 PWSID #: \_\_\_\_\_

Project Entity:  
 Government  Municipality  MWRA  WRTA  Other   
 Federal  City  School  AHA-LAP, LLC   
 Brownfield  MBTA









**con-test**  
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False**

Client Weston + Sampson

Received By SE Date 7/25/18 Time 1945

How were the samples received? In Cooler T No Cooler \_\_\_\_\_ On Ice T No Ice \_\_\_\_\_  
 Direct from Sampling \_\_\_\_\_ Ambient \_\_\_\_\_ Melted Ice \_\_\_\_\_

Were samples within Temperature? 2-6°C T By Gun # 8 Actual Temp - 2.1, 2.4, 3.0  
 By Blank # \_\_\_\_\_ Actual Temp - \_\_\_\_\_

Was Custody Seal Intact? N/A Were Samples Tamped with? N/A  
 Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T  
 Did COC include all pertinent information? Client T Analysis T Sampler Name T  
 Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T  
 Are there Lab to Filters? F Who was notified? \_\_\_\_\_  
 Are there Rushes? F Who was notified? \_\_\_\_\_  
 Are there Short Holds? F Who was notified? \_\_\_\_\_

Is there enough Volume? T  
 Is there Headspace where applicable? N/A MS/MSD? F  
 Proper Media/Containers Used? T Is splitting samples required? F  
 Were trip blanks received? F On COC? F  
 Do all samples have the proper pH? N/A Acid \_\_\_\_\_ Base \_\_\_\_\_

Vials	Containers	#	#	#	#
Unp-	1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-	500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-	250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-	Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-	Other Plastic		Other Glass		Encore
Thiosulfate-	SOC Kit		Plastic Bag		Frozen:
Sulfuric-	Perchlorate		Ziplock		

**Unused Media**

Vials	Containers	#	#	#	#
Unp-	1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-	500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-	250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-	Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-	Other Plastic		Other Glass		Encore
Thiosulfate-	SOC Kit		Plastic Bag		Frozen:
Sulfuric-	Perchlorate		Ziplock		

Comments:

## MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Con-Test Analytical Laboratory	Project #: 18G1034
Project Location: Conway Park., Somerville, MA	RTN:

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]  
18G1034-01 thru 18G1034-19

Matrices: Soil

**CAM Protocol (check all that below)**

8260 VOC CAM II A ( )	7470/7471 Hg CAM III B ( )	MassDEP VPH CAM IV A ( )	8082 PCB CAM V A (X)	9014 Total Cyanide/PAC CAM VI A ( )	6860 Perchlorate CAM VIII B ( )
8270 SVOC CAM II B ( )	7010 Metals CAM III C ( )	MassDEP VPH CAM IV C ( )	8081 Pesticides CAM V B ( )	7196 Hex Cr CAM VI B ( )	MassDEP APH CAM IX A ( )
6010 Metals CAM III A (X)	6020 Metals CAM III D ( )	MassDEP EPH CAM IV A ( )	8151 Herbicides CAM V C ( )	8330 Explosives CAM VIII A ( )	TO-15 VOC CAM IX B ( )

**Affirmative response to Questions A through F is required for "Presumptive Certainty" status**

<b>A</b>	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>B</b>	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>C</b>	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>D</b>	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>E a</b>	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	<input type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>E b</b>	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	<input type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>F</b>	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all No responses to Questions A through E)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>

**A response to questions G, H and I below is required for "Presumptive Certainty" status**

<b>G</b>	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
----------	---	--

**Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.**

<b>H</b>	Were all QC performance standards specified in the CAM protocol(s) achieved?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>
<b>I</b>	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>

<sup>1</sup>All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

**I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.**

Signature: Lisa Worthington Position: Project Manager  
Printed Name: Lisa A. Worthington Date: 08/01/18

August 1, 2018

Taylor Smith  
Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960

Project Location: Conway Park., Somerville, MA  
Client Job Number:  
Project Number: [none]  
Laboratory Work Order Number: 18G1035

Enclosed are results of analyses for samples received by the laboratory on July 25, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Meghan E. Kelley". The signature is written in a cursive style with a large, sweeping 'y' at the end.

Meghan E. Kelley  
Project Manager



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Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 8/1/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1035

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-N-10 (2.5-3.5)	18G1035-01	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-N-9 (0-0.5)	18G1035-02	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-N-9 (0.5-1.5)	18G1035-03	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-N-9 (1.5-2.5)	18G1035-04	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-N-9 (2.5-3.5)	18G1035-05	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-N-7 (0-0.5)	18G1035-06	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-N-7 (0.5-1.5)	18G1035-07	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-N-7 (1.5-2.5)	18G1035-08	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-N-7 (2.5-3.5)	18G1035-09	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-L-9 (0-0.5)	18G1035-10	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-L-9 (0.5-1.5)	18G1035-11	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-L-9 (1.5-2.5)	18G1035-12	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-L-9 (2.5-3.5)	18G1035-13	Soil		SM 2540G SW-846 6010D SW-846 8082A	

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Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 8/1/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1035

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-L-8 (0-0.5)	18G1035-14	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-L-8 (0.5-1.5)	18G1035-15	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-L-8 (1.5-2.5)	18G1035-16	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-K-11 (0-0.5)	18G1035-17	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-K-11 (0.5-1.5)	18G1035-18	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-K-11 (1.5-2.5)	18G1035-19	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-K-11 (2.5-3.5)	18G1035-20	Soil		SM 2540G SW-846 6010D SW-846 8082A	

**CASE NARRATIVE SUMMARY**

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 6010, only lead was requested and reported.

**SW-846 8082A**

**Qualifications:****O-32**

A dilution was performed as part of the standard analytical procedure.

**Analyte & Samples(s) Qualified:**

18G1035-01[B-N-10 (2.5-3.5)], 18G1035-06[B-N-7 (0-0.5)], 18G1035-07[B-N-7 (0.5-1.5)], 18G1035-08[B-N-7 (1.5-2.5)], 18G1035-20[B-K-11 (2.5-3.5)]

**S-01**

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**Analyte & Samples(s) Qualified:****Decachlorobiphenyl**

18G1035-03[B-N-9 (0.5-1.5)], 18G1035-04[B-N-9 (1.5-2.5)], 18G1035-10[B-L-9 (0-0.5)], 18G1035-14[B-L-8 (0-0.5)], 18G1035-17[B-K-11 (0-0.5)]

**Decachlorobiphenyl [2C]**

18G1035-03[B-N-9 (0.5-1.5)], 18G1035-04[B-N-9 (1.5-2.5)], 18G1035-10[B-L-9 (0-0.5)], 18G1035-14[B-L-8 (0-0.5)], 18G1035-17[B-K-11 (0-0.5)]

**Tetrachloro-m-xylene**

18G1035-03[B-N-9 (0.5-1.5)], 18G1035-04[B-N-9 (1.5-2.5)], 18G1035-10[B-L-9 (0-0.5)], 18G1035-14[B-L-8 (0-0.5)], 18G1035-17[B-K-11 (0-0.5)]

**Tetrachloro-m-xylene [2C]**

18G1035-03[B-N-9 (0.5-1.5)], 18G1035-04[B-N-9 (1.5-2.5)], 18G1035-10[B-L-9 (0-0.5)], 18G1035-14[B-L-8 (0-0.5)], 18G1035-17[B-K-11 (0-0.5)]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington  
Project Manager

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-N-10 (2.5-3.5)

Sampled: 7/25/2018 11:23

Sample ID: 18G1035-01

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:28	TG
Aroclor-1221 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:28	TG
Aroclor-1232 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:28	TG
Aroclor-1242 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:28	TG
Aroclor-1248 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:28	TG
Aroclor-1254 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:28	TG
Aroclor-1260 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:28	TG
Aroclor-1262 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:28	TG
Aroclor-1268 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:28	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		112	30-150					7/31/18 17:28	
Decachlorobiphenyl [2]		117	30-150					7/31/18 17:28	
Tetrachloro-m-xylene [1]		90.6	30-150					7/31/18 17:28	
Tetrachloro-m-xylene [2]		104	30-150					7/31/18 17:28	

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-N-10 (2.5-3.5)

Sampled: 7/25/2018 11:23

Sample ID: 18G1035-01

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	17	0.53	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 12:10	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-N-10 (2.5-3.5)

Sampled: 7/25/2018 11:23

Sample ID: 18G1035-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.4		% Wt	1		SM 2540G	7/27/18	7/29/18 8:04	MJR



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-N-9 (0-0.5)

Sampled: 7/25/2018 11:30

Sample ID: 18G1035-02

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:45	TG
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:45	TG
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:45	TG
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:45	TG
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:45	TG
Aroclor-1254 [2]	0.64	0.091	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:45	TG
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:45	TG
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:45	TG
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 17:45	TG
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	103		30-150				7/31/18 17:45		
Decachlorobiphenyl [2]	108		30-150				7/31/18 17:45		
Tetrachloro-m-xylene [1]	79.0		30-150				7/31/18 17:45		
Tetrachloro-m-xylene [2]	90.7		30-150				7/31/18 17:45		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-N-9 (0-0.5)

Sampled: 7/25/2018 11:30

Sample ID: 18G1035-02

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	40	0.60	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 12:14	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-N-9 (0-0.5)

Sampled: 7/25/2018 11:30

Sample ID: 18G1035-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.7		% Wt	1		SM 2540G	7/27/18	7/29/18 8:05	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-N-9 (0.5-1.5)

Sampled: 7/25/2018 11:31

Sample ID: 18G1035-03

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	7/28/18	8/1/18 1:21	TG
Aroclor-1221 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	7/28/18	8/1/18 1:21	TG
Aroclor-1232 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	7/28/18	8/1/18 1:21	TG
Aroclor-1242 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	7/28/18	8/1/18 1:21	TG
Aroclor-1248 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	7/28/18	8/1/18 1:21	TG
Aroclor-1254 [2]	7.0	0.88	mg/Kg dry	40		SW-846 8082A	7/28/18	8/1/18 1:21	TG
Aroclor-1260 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	7/28/18	8/1/18 1:21	TG
Aroclor-1262 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	7/28/18	8/1/18 1:21	TG
Aroclor-1268 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	7/28/18	8/1/18 1:21	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/1/18 1:21	
Decachlorobiphenyl [2]		*	30-150		S-01			8/1/18 1:21	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/1/18 1:21	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/1/18 1:21	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-N-9 (0.5-1.5)

Sampled: 7/25/2018 11:31

Sample ID: 18G1035-03

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	150	0.57	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 12:18	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-N-9 (0.5-1.5)

Sampled: 7/25/2018 11:31

Sample ID: 18G1035-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.8		% Wt	1		SM 2540G	7/27/18	7/29/18 8:05	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-N-9 (1.5-2.5)

Sampled: 7/25/2018 11:32

Sample ID: 18G1035-04

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.82	mg/Kg dry	40		SW-846 8082A	7/28/18	8/1/18 1:34	TG
Aroclor-1221 [1]	ND	0.82	mg/Kg dry	40		SW-846 8082A	7/28/18	8/1/18 1:34	TG
Aroclor-1232 [1]	ND	0.82	mg/Kg dry	40		SW-846 8082A	7/28/18	8/1/18 1:34	TG
Aroclor-1242 [1]	ND	0.82	mg/Kg dry	40		SW-846 8082A	7/28/18	8/1/18 1:34	TG
Aroclor-1248 [1]	ND	0.82	mg/Kg dry	40		SW-846 8082A	7/28/18	8/1/18 1:34	TG
Aroclor-1254 [2]	5.8	0.82	mg/Kg dry	40		SW-846 8082A	7/28/18	8/1/18 1:34	TG
Aroclor-1260 [1]	ND	0.82	mg/Kg dry	40		SW-846 8082A	7/28/18	8/1/18 1:34	TG
Aroclor-1262 [1]	ND	0.82	mg/Kg dry	40		SW-846 8082A	7/28/18	8/1/18 1:34	TG
Aroclor-1268 [1]	ND	0.82	mg/Kg dry	40		SW-846 8082A	7/28/18	8/1/18 1:34	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/1/18 1:34	
Decachlorobiphenyl [2]		*	30-150		S-01			8/1/18 1:34	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/1/18 1:34	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/1/18 1:34	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-N-9 (1.5-2.5)

Sampled: 7/25/2018 11:32

Sample ID: 18G1035-04

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	270	0.53	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 12:22	QNW



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-N-9 (1.5-2.5)

Sampled: 7/25/2018 11:32

Sample ID: 18G1035-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.1		% Wt	1		SM 2540G	7/27/18	7/29/18 8:05	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-N-9 (2.5-3.5)

Sampled: 7/25/2018 11:33

Sample ID: 18G1035-05

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:37	TG
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:37	TG
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:37	TG
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:37	TG
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:37	TG
Aroclor-1254 [2]	0.19	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:37	TG
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:37	TG
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:37	TG
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:37	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		104	30-150					7/31/18 18:37	
Decachlorobiphenyl [2]		116	30-150					7/31/18 18:37	
Tetrachloro-m-xylene [1]		88.0	30-150					7/31/18 18:37	
Tetrachloro-m-xylene [2]		101	30-150					7/31/18 18:37	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-N-9 (2.5-3.5)

Sampled: 7/25/2018 11:33

Sample ID: 18G1035-05

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	160	0.55	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 12:26	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-N-9 (2.5-3.5)

Sampled: 7/25/2018 11:33

Sample ID: 18G1035-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.9		% Wt	1		SM 2540G	7/27/18	7/29/18 8:05	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-N-7 (0-0.5)

Sampled: 7/25/2018 12:06

Sample ID: 18G1035-06

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:54	TG
Aroclor-1221 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:54	TG
Aroclor-1232 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:54	TG
Aroclor-1242 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:54	TG
Aroclor-1248 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:54	TG
Aroclor-1254 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:54	TG
Aroclor-1260 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:54	TG
Aroclor-1262 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:54	TG
Aroclor-1268 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 18:54	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		110	30-150					7/31/18 18:54	
Decachlorobiphenyl [2]		117	30-150					7/31/18 18:54	
Tetrachloro-m-xylene [1]		93.2	30-150					7/31/18 18:54	
Tetrachloro-m-xylene [2]		109	30-150					7/31/18 18:54	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-N-7 (0-0.5)

Sampled: 7/25/2018 12:06

Sample ID: 18G1035-06

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	8.1	0.51	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 12:40	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-N-7 (0-0.5)

Sampled: 7/25/2018 12:06

Sample ID: 18G1035-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.2		% Wt	1		SM 2540G	7/27/18	7/29/18 8:05	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-N-7 (0.5-1.5)

Sampled: 7/25/2018 12:07

Sample ID: 18G1035-07

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.077	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 19:12	TG
Aroclor-1221 [1]	ND	0.077	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 19:12	TG
Aroclor-1232 [1]	ND	0.077	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 19:12	TG
Aroclor-1242 [1]	ND	0.077	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 19:12	TG
Aroclor-1248 [1]	ND	0.077	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 19:12	TG
Aroclor-1254 [1]	ND	0.077	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 19:12	TG
Aroclor-1260 [1]	ND	0.077	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 19:12	TG
Aroclor-1262 [1]	ND	0.077	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 19:12	TG
Aroclor-1268 [1]	ND	0.077	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 19:12	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		114	30-150					7/31/18 19:12	
Decachlorobiphenyl [2]		121	30-150					7/31/18 19:12	
Tetrachloro-m-xylene [1]		94.3	30-150					7/31/18 19:12	
Tetrachloro-m-xylene [2]		110	30-150					7/31/18 19:12	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-N-7 (0.5-1.5)

Sampled: 7/25/2018 12:07

Sample ID: 18G1035-07

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	2.8	0.51	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 12:44	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-N-7 (0.5-1.5)

Sampled: 7/25/2018 12:07

Sample ID: 18G1035-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	97.3		% Wt	1		SM 2540G	7/27/18	7/29/18 8:06	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-N-7 (1.5-2.5)

Sampled: 7/25/2018 12:08

Sample ID: 18G1035-08

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.078	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 19:29	TG
Aroclor-1221 [1]	ND	0.078	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 19:29	TG
Aroclor-1232 [1]	ND	0.078	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 19:29	TG
Aroclor-1242 [1]	ND	0.078	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 19:29	TG
Aroclor-1248 [1]	ND	0.078	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 19:29	TG
Aroclor-1254 [1]	ND	0.078	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 19:29	TG
Aroclor-1260 [1]	ND	0.078	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 19:29	TG
Aroclor-1262 [1]	ND	0.078	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 19:29	TG
Aroclor-1268 [1]	ND	0.078	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 19:29	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		113	30-150					7/31/18 19:29	
Decachlorobiphenyl [2]		120	30-150					7/31/18 19:29	
Tetrachloro-m-xylene [1]		95.3	30-150					7/31/18 19:29	
Tetrachloro-m-xylene [2]		111	30-150					7/31/18 19:29	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-N-7 (1.5-2.5)

Sampled: 7/25/2018 12:08

Sample ID: 18G1035-08

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	4.1	0.50	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 12:49	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-N-7 (1.5-2.5)

Sampled: 7/25/2018 12:08

Sample ID: 18G1035-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.4		% Wt	1		SM 2540G	7/27/18	7/29/18 8:06	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-N-7 (2.5-3.5)

Sampled: 7/25/2018 12:09

Sample ID: 18G1035-09

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	7/28/18	8/1/18 1:46	TG
Aroclor-1221 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	7/28/18	8/1/18 1:46	TG
Aroclor-1232 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	7/28/18	8/1/18 1:46	TG
Aroclor-1242 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	7/28/18	8/1/18 1:46	TG
Aroclor-1248 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	7/28/18	8/1/18 1:46	TG
Aroclor-1254 [2]	2.8	0.43	mg/Kg dry	20		SW-846 8082A	7/28/18	8/1/18 1:46	TG
Aroclor-1260 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	7/28/18	8/1/18 1:46	TG
Aroclor-1262 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	7/28/18	8/1/18 1:46	TG
Aroclor-1268 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	7/28/18	8/1/18 1:46	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		109	30-150					8/1/18 1:46	
Decachlorobiphenyl [2]		118	30-150					8/1/18 1:46	
Tetrachloro-m-xylene [1]		91.4	30-150					8/1/18 1:46	
Tetrachloro-m-xylene [2]		112	30-150					8/1/18 1:46	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-N-7 (2.5-3.5)

Sampled: 7/25/2018 12:09

Sample ID: 18G1035-09

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	120	0.54	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 12:54	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-N-7 (2.5-3.5)

Sampled: 7/25/2018 12:09

Sample ID: 18G1035-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.0		% Wt	1		SM 2540G	7/27/18	7/29/18 8:06	MJR



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-L-9 (0-0.5)

Sampled: 7/25/2018 12:20

Sample ID: 18G1035-10

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	7/28/18	8/1/18 1:58	TG
Aroclor-1221 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	7/28/18	8/1/18 1:58	TG
Aroclor-1232 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	7/28/18	8/1/18 1:58	TG
Aroclor-1242 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	7/28/18	8/1/18 1:58	TG
Aroclor-1248 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	7/28/18	8/1/18 1:58	TG
Aroclor-1254 [2]	14	2.3	mg/Kg dry	100		SW-846 8082A	7/28/18	8/1/18 1:58	TG
Aroclor-1260 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	7/28/18	8/1/18 1:58	TG
Aroclor-1262 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	7/28/18	8/1/18 1:58	TG
Aroclor-1268 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	7/28/18	8/1/18 1:58	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/1/18 1:58	
Decachlorobiphenyl [2]		*	30-150		S-01			8/1/18 1:58	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/1/18 1:58	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/1/18 1:58	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-L-9 (0-0.5)

Sampled: 7/25/2018 12:20

Sample ID: 18G1035-10

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	200	0.60	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 12:59	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-L-9 (0-0.5)

Sampled: 7/25/2018 12:20

Sample ID: 18G1035-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.0		% Wt	1		SM 2540G	7/27/18	7/29/18 8:06	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-L-9 (0.5-1.5)

Sampled: 7/25/2018 12:21

Sample ID: 18G1035-11

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:08	TG
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:08	TG
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:08	TG
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:08	TG
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:08	TG
Aroclor-1254 [2]	0.38	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:08	TG
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:08	TG
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:08	TG
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:08	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		112	30-150					7/31/18 21:08	
Decachlorobiphenyl [2]		118	30-150					7/31/18 21:08	
Tetrachloro-m-xylene [1]		94.6	30-150					7/31/18 21:08	
Tetrachloro-m-xylene [2]		110	30-150					7/31/18 21:08	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-L-9 (0.5-1.5)

Sampled: 7/25/2018 12:21

Sample ID: 18G1035-11

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	5.9	0.52	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 13:03	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-L-9 (0.5-1.5)

Sampled: 7/25/2018 12:21

Sample ID: 18G1035-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.6		% Wt	1		SM 2540G	7/27/18	7/29/18 8:06	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-L-9 (1.5-2.5)

Sampled: 7/25/2018 12:22

Sample ID: 18G1035-12

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:25	TG
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:25	TG
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:25	TG
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:25	TG
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:25	TG
Aroclor-1254 [2]	0.21	0.087	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:25	TG
Aroclor-1260 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:25	TG
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:25	TG
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:25	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		107	30-150					7/31/18 21:25	
Decachlorobiphenyl [2]		111	30-150					7/31/18 21:25	
Tetrachloro-m-xylene [1]		92.0	30-150					7/31/18 21:25	
Tetrachloro-m-xylene [2]		107	30-150					7/31/18 21:25	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-L-9 (1.5-2.5)

Sampled: 7/25/2018 12:22

Sample ID: 18G1035-12

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	64	0.53	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 13:08	QNW



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-L-9 (1.5-2.5)

Sampled: 7/25/2018 12:22

Sample ID: 18G1035-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.1		% Wt	1		SM 2540G	7/27/18	7/29/18 8:06	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-L-9 (2.5-3.5)

Sampled: 7/25/2018 12:23

Sample ID: 18G1035-13

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:42	TG
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:42	TG
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:42	TG
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:42	TG
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:42	TG
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:42	TG
Aroclor-1260 [2]	0.097	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:42	TG
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:42	TG
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 21:42	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		93.3	30-150					7/31/18 21:42	
Decachlorobiphenyl [2]		127	30-150					7/31/18 21:42	
Tetrachloro-m-xylene [1]		82.8	30-150					7/31/18 21:42	
Tetrachloro-m-xylene [2]		94.2	30-150					7/31/18 21:42	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-L-9 (2.5-3.5)

Sampled: 7/25/2018 12:23

Sample ID: 18G1035-13

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	2200	0.55	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 13:13	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-L-9 (2.5-3.5)

Sampled: 7/25/2018 12:23

Sample ID: 18G1035-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.0		% Wt	1		SM 2540G	7/27/18	7/29/18 8:06	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-L-8 (0-0.5)

Sampled: 7/25/2018 12:42

Sample ID: 18G1035-14

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	7/28/18	8/1/18 8:29	TG
Aroclor-1221 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	7/28/18	8/1/18 8:29	TG
Aroclor-1232 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	7/28/18	8/1/18 8:29	TG
Aroclor-1242 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	7/28/18	8/1/18 8:29	TG
Aroclor-1248 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	7/28/18	8/1/18 8:29	TG
Aroclor-1254 [2]	26	4.5	mg/Kg dry	200		SW-846 8082A	7/28/18	8/1/18 8:29	TG
Aroclor-1260 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	7/28/18	8/1/18 8:29	TG
Aroclor-1262 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	7/28/18	8/1/18 8:29	TG
Aroclor-1268 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	7/28/18	8/1/18 8:29	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/1/18 8:29	
Decachlorobiphenyl [2]		*	30-150		S-01			8/1/18 8:29	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/1/18 8:29	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/1/18 8:29	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-L-8 (0-0.5)

Sampled: 7/25/2018 12:42

Sample ID: 18G1035-14

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	260	0.56	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 13:17	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-L-8 (0-0.5)

Sampled: 7/25/2018 12:42

Sample ID: 18G1035-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.3		% Wt	1		SM 2540G	7/27/18	7/29/18 8:06	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-L-8 (0.5-1.5)

Sampled: 7/25/2018 12:43

Sample ID: 18G1035-15

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 22:17	TG
Aroclor-1221 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 22:17	TG
Aroclor-1232 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 22:17	TG
Aroclor-1242 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 22:17	TG
Aroclor-1248 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 22:17	TG
Aroclor-1254 [2]	0.21	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 22:17	TG
Aroclor-1260 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 22:17	TG
Aroclor-1262 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 22:17	TG
Aroclor-1268 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 22:17	TG
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	107		30-150				7/31/18 22:17		
Decachlorobiphenyl [2]	114		30-150				7/31/18 22:17		
Tetrachloro-m-xylene [1]	96.3		30-150				7/31/18 22:17		
Tetrachloro-m-xylene [2]	113		30-150				7/31/18 22:17		



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-L-8 (0.5-1.5)

Sampled: 7/25/2018 12:43

Sample ID: 18G1035-15

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	26	0.50	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 13:21	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-L-8 (0.5-1.5)

Sampled: 7/25/2018 12:43

Sample ID: 18G1035-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.0		% Wt	1		SM 2540G	7/27/18	7/29/18 8:06	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-L-8 (1.5-2.5)

Sampled: 7/25/2018 12:44

Sample ID: 18G1035-16

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 22:34	TG
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 22:34	TG
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 22:34	TG
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 22:34	TG
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 22:34	TG
Aroclor-1254 [2]	0.40	0.093	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 22:34	TG
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 22:34	TG
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 22:34	TG
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 22:34	TG
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	102		30-150				7/31/18 22:34		
Decachlorobiphenyl [2]	121		30-150				7/31/18 22:34		
Tetrachloro-m-xylene [1]	88.2		30-150				7/31/18 22:34		
Tetrachloro-m-xylene [2]	102		30-150				7/31/18 22:34		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-L-8 (1.5-2.5)

Sampled: 7/25/2018 12:44

Sample ID: 18G1035-16

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	470	0.64	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 13:55	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-L-8 (1.5-2.5)

Sampled: 7/25/2018 12:44

Sample ID: 18G1035-16

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.1		% Wt	1		SM 2540G	7/27/18	7/29/18 8:07	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-K-11 (0-0.5)

Sampled: 7/25/2018 13:00

Sample ID: 18G1035-17

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/28/18	8/1/18 8:42	TG
Aroclor-1221 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/28/18	8/1/18 8:42	TG
Aroclor-1232 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/28/18	8/1/18 8:42	TG
Aroclor-1242 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/28/18	8/1/18 8:42	TG
Aroclor-1248 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/28/18	8/1/18 8:42	TG
Aroclor-1254 [2]	10	1.8	mg/Kg dry	80		SW-846 8082A	7/28/18	8/1/18 8:42	TG
Aroclor-1260 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/28/18	8/1/18 8:42	TG
Aroclor-1262 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/28/18	8/1/18 8:42	TG
Aroclor-1268 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/28/18	8/1/18 8:42	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/1/18 8:42	
Decachlorobiphenyl [2]		*	30-150		S-01			8/1/18 8:42	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/1/18 8:42	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/1/18 8:42	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-K-11 (0-0.5)

Sampled: 7/25/2018 13:00

Sample ID: 18G1035-17

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	230	0.56	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 13:59	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-K-11 (0-0.5)

Sampled: 7/25/2018 13:00

Sample ID: 18G1035-17

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.2		% Wt	1		SM 2540G	7/27/18	7/29/18 8:07	MJR



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-K-11 (0.5-1.5)

Sampled: 7/25/2018 13:01

Sample ID: 18G1035-18

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 23:08	TG
Aroclor-1221 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 23:08	TG
Aroclor-1232 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 23:08	TG
Aroclor-1242 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 23:08	TG
Aroclor-1248 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 23:08	TG
Aroclor-1254 [2]	0.93	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 23:08	TG
Aroclor-1260 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 23:08	TG
Aroclor-1262 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 23:08	TG
Aroclor-1268 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 23:08	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		111	30-150					7/31/18 23:08	
Decachlorobiphenyl [2]		118	30-150					7/31/18 23:08	
Tetrachloro-m-xylene [1]		94.7	30-150					7/31/18 23:08	
Tetrachloro-m-xylene [2]		110	30-150					7/31/18 23:08	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-K-11 (0.5-1.5)

Sampled: 7/25/2018 13:01

Sample ID: 18G1035-18

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	22	0.52	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 14:03	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-K-11 (0.5-1.5)

Sampled: 7/25/2018 13:01

Sample ID: 18G1035-18

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.3		% Wt	1		SM 2540G	7/27/18	7/29/18 8:07	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-K-11 (1.5-2.5)

Sampled: 7/25/2018 13:02

Sample ID: 18G1035-19

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 23:26	TG
Aroclor-1221 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 23:26	TG
Aroclor-1232 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 23:26	TG
Aroclor-1242 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 23:26	TG
Aroclor-1248 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 23:26	TG
Aroclor-1254 [1]	0.091	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 23:26	TG
Aroclor-1260 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 23:26	TG
Aroclor-1262 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 23:26	TG
Aroclor-1268 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 23:26	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		98.2	30-150					7/31/18 23:26	
Decachlorobiphenyl [2]		109	30-150					7/31/18 23:26	
Tetrachloro-m-xylene [1]		84.1	30-150					7/31/18 23:26	
Tetrachloro-m-xylene [2]		97.8	30-150					7/31/18 23:26	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-K-11 (1.5-2.5)

Sampled: 7/25/2018 13:02

Sample ID: 18G1035-19

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	43	0.51	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 14:08	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-K-11 (1.5-2.5)

Sampled: 7/25/2018 13:02

Sample ID: 18G1035-19

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.7		% Wt	1		SM 2540G	7/27/18	7/29/18 8:07	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-K-11 (2.5-3.5)

Sampled: 7/25/2018 13:03

Sample ID: 18G1035-20

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 23:43	TG
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 23:43	TG
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 23:43	TG
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 23:43	TG
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 23:43	TG
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 23:43	TG
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 23:43	TG
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 23:43	TG
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/28/18	7/31/18 23:43	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		102	30-150					7/31/18 23:43	
Decachlorobiphenyl [2]		115	30-150					7/31/18 23:43	
Tetrachloro-m-xylene [1]		86.9	30-150					7/31/18 23:43	
Tetrachloro-m-xylene [2]		99.7	30-150					7/31/18 23:43	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-K-11 (2.5-3.5)

Sampled: 7/25/2018 13:03

Sample ID: 18G1035-20

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	180	0.56	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 14:13	QNW



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1035

Date Received: 7/25/2018

Field Sample #: B-K-11 (2.5-3.5)

Sampled: 7/25/2018 13:03

Sample ID: 18G1035-20

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.7		% Wt	1		SM 2540G	7/27/18	7/29/18 8:07	MJR

**Sample Extraction Data**

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18G1035-01 [B-N-10 (2.5-3.5)]	B208917	07/27/18
18G1035-02 [B-N-9 (0-0.5)]	B208917	07/27/18
18G1035-03 [B-N-9 (0.5-1.5)]	B208917	07/27/18
18G1035-04 [B-N-9 (1.5-2.5)]	B208917	07/27/18
18G1035-05 [B-N-9 (2.5-3.5)]	B208917	07/27/18
18G1035-06 [B-N-7 (0-0.5)]	B208917	07/27/18
18G1035-07 [B-N-7 (0.5-1.5)]	B208917	07/27/18
18G1035-08 [B-N-7 (1.5-2.5)]	B208917	07/27/18
18G1035-09 [B-N-7 (2.5-3.5)]	B208917	07/27/18
18G1035-10 [B-L-9 (0-0.5)]	B208917	07/27/18
18G1035-11 [B-L-9 (0.5-1.5)]	B208917	07/27/18
18G1035-12 [B-L-9 (1.5-2.5)]	B208917	07/27/18
18G1035-13 [B-L-9 (2.5-3.5)]	B208917	07/27/18
18G1035-14 [B-L-8 (0-0.5)]	B208917	07/27/18
18G1035-15 [B-L-8 (0.5-1.5)]	B208917	07/27/18
18G1035-16 [B-L-8 (1.5-2.5)]	B208917	07/27/18
18G1035-17 [B-K-11 (0-0.5)]	B208917	07/27/18
18G1035-18 [B-K-11 (0.5-1.5)]	B208917	07/27/18
18G1035-19 [B-K-11 (1.5-2.5)]	B208917	07/27/18
18G1035-20 [B-K-11 (2.5-3.5)]	B208917	07/27/18

**Prep Method: SW-846 3050B-SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1035-01 [B-N-10 (2.5-3.5)]	B209132	1.51	50.0	07/31/18
18G1035-02 [B-N-9 (0-0.5)]	B209132	1.47	50.0	07/31/18
18G1035-03 [B-N-9 (0.5-1.5)]	B209132	1.47	50.0	07/31/18
18G1035-04 [B-N-9 (1.5-2.5)]	B209132	1.52	50.0	07/31/18
18G1035-05 [B-N-9 (2.5-3.5)]	B209132	1.49	50.0	07/31/18
18G1035-06 [B-N-7 (0-0.5)]	B209132	1.55	50.0	07/31/18
18G1035-07 [B-N-7 (0.5-1.5)]	B209132	1.51	50.0	07/31/18
18G1035-08 [B-N-7 (1.5-2.5)]	B209132	1.58	50.0	07/31/18
18G1035-09 [B-N-7 (2.5-3.5)]	B209132	1.52	50.0	07/31/18
18G1035-10 [B-L-9 (0-0.5)]	B209132	1.52	50.0	07/31/18
18G1035-11 [B-L-9 (0.5-1.5)]	B209132	1.50	50.0	07/31/18
18G1035-12 [B-L-9 (1.5-2.5)]	B209132	1.58	50.0	07/31/18
18G1035-13 [B-L-9 (2.5-3.5)]	B209132	1.53	50.0	07/31/18
18G1035-14 [B-L-8 (0-0.5)]	B209132	1.53	50.0	07/31/18
18G1035-15 [B-L-8 (0.5-1.5)]	B209132	1.57	50.0	07/31/18
18G1035-16 [B-L-8 (1.5-2.5)]	B209132	1.46	50.0	07/31/18
18G1035-17 [B-K-11 (0-0.5)]	B209132	1.53	50.0	07/31/18
18G1035-18 [B-K-11 (0.5-1.5)]	B209132	1.48	50.0	07/31/18
18G1035-19 [B-K-11 (1.5-2.5)]	B209132	1.60	50.0	07/31/18
18G1035-20 [B-K-11 (2.5-3.5)]	B209132	1.52	50.0	07/31/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1035-01 [B-N-10 (2.5-3.5)]	B208928	10.7	10.0	07/28/18
18G1035-02 [B-N-9 (0-0.5)]	B208928	10.3	10.0	07/28/18
18G1035-03 [B-N-9 (0.5-1.5)]	B208928	10.2	10.0	07/28/18
18G1035-04 [B-N-9 (1.5-2.5)]	B208928	10.5	10.0	07/28/18
18G1035-05 [B-N-9 (2.5-3.5)]	B208928	10.3	10.0	07/28/18

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### Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1035-06 [B-N-7 (0-0.5)]	B208928	10.5	10.0	07/28/18
18G1035-07 [B-N-7 (0.5-1.5)]	B208928	10.7	10.0	07/28/18
18G1035-08 [B-N-7 (1.5-2.5)]	B208928	10.7	10.0	07/28/18
18G1035-09 [B-N-7 (2.5-3.5)]	B208928	10.1	10.0	07/28/18
18G1035-10 [B-L-9 (0-0.5)]	B208928	10.6	10.0	07/28/18
18G1035-11 [B-L-9 (0.5-1.5)]	B208928	10.0	10.0	07/28/18
18G1035-12 [B-L-9 (1.5-2.5)]	B208928	10.3	10.0	07/28/18
18G1035-13 [B-L-9 (2.5-3.5)]	B208928	10.6	10.0	07/28/18
18G1035-14 [B-L-8 (0-0.5)]	B208928	10.1	10.0	07/28/18
18G1035-15 [B-L-8 (0.5-1.5)]	B208928	10.6	10.0	07/28/18
18G1035-16 [B-L-8 (1.5-2.5)]	B208928	10.7	10.0	07/28/18
18G1035-17 [B-K-11 (0-0.5)]	B208928	10.1	10.0	07/28/18
18G1035-18 [B-K-11 (0.5-1.5)]	B208928	10.2	10.0	07/28/18
18G1035-19 [B-K-11 (1.5-2.5)]	B208928	10.7	10.0	07/28/18
18G1035-20 [B-K-11 (2.5-3.5)]	B208928	10.5	10.0	07/28/18

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B208928 - SW-846 3540C</b>										
<b>Blank (B208928-BLK1)</b>										
Prepared: 07/28/18 Analyzed: 07/31/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.215		mg/Kg wet	0.200		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.229		mg/Kg wet	0.200		114	30-150			
Surrogate: Tetrachloro-m-xylene	0.173		mg/Kg wet	0.200		86.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.193		mg/Kg wet	0.200		96.7	30-150			
<b>LCS (B208928-BS1)</b>										
Prepared: 07/28/18 Analyzed: 07/31/18										
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		85.7	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		94.5	40-140			
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		85.5	40-140			
Aroclor-1260 [2C]	0.21	0.020	mg/Kg wet	0.200		103	40-140			
Surrogate: Decachlorobiphenyl	0.216		mg/Kg wet	0.200		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.230		mg/Kg wet	0.200		115	30-150			
Surrogate: Tetrachloro-m-xylene	0.172		mg/Kg wet	0.200		86.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.192		mg/Kg wet	0.200		96.0	30-150			
<b>LCS Dup (B208928-BSD1)</b>										
Prepared: 07/28/18 Analyzed: 07/31/18										
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		83.3	40-140	2.83	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		92.0	40-140	2.64	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		85.7	40-140	0.214	30	
Aroclor-1260 [2C]	0.21	0.020	mg/Kg wet	0.200		103	40-140	0.0319	30	
Surrogate: Decachlorobiphenyl	0.231		mg/Kg wet	0.200		115	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.245		mg/Kg wet	0.200		122	30-150			
Surrogate: Tetrachloro-m-xylene	0.175		mg/Kg wet	0.200		87.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.194		mg/Kg wet	0.200		96.8	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B208928 - SW-846 3540C**

**Matrix Spike (B208928-MS1)**

**Source: 18G1035-01**

Prepared: 07/28/18 Analyzed: 08/01/18

Aroclor-1016	0.19	0.082	mg/Kg dry	0.206	ND	94.0	40-140			
Aroclor-1016 [2C]	0.21	0.082	mg/Kg dry	0.206	ND	103	40-140			
Aroclor-1260	0.18	0.082	mg/Kg dry	0.206	ND	89.3	40-140			
Aroclor-1260 [2C]	0.23	0.082	mg/Kg dry	0.206	ND	113	40-140			
Surrogate: Decachlorobiphenyl	0.209		mg/Kg dry	0.206		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.222		mg/Kg dry	0.206		108	30-150			
Surrogate: Tetrachloro-m-xylene	0.177		mg/Kg dry	0.206		86.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.210		mg/Kg dry	0.206		102	30-150			

**Matrix Spike Dup (B208928-MSD1)**

**Source: 18G1035-01**

Prepared: 07/28/18 Analyzed: 08/01/18

Aroclor-1016	0.20	0.083	mg/Kg dry	0.208	ND	96.4	40-140	3.43	50	
Aroclor-1016 [2C]	0.22	0.083	mg/Kg dry	0.208	ND	105	40-140	2.25	50	
Aroclor-1260	0.19	0.083	mg/Kg dry	0.208	ND	92.9	40-140	4.85	50	
Aroclor-1260 [2C]	0.25	0.083	mg/Kg dry	0.208	ND	119	40-140	5.86	50	
Surrogate: Decachlorobiphenyl	0.227		mg/Kg dry	0.208		109	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.241		mg/Kg dry	0.208		116	30-150			
Surrogate: Tetrachloro-m-xylene	0.184		mg/Kg dry	0.208		88.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.216		mg/Kg dry	0.208		104	30-150			

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**QUALITY CONTROL**

**Metals Analyses (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209132 - SW-846 3050B</b>										
<b>Blank (B209132-BLK1)</b>					Prepared: 07/31/18 Analyzed: 08/01/18					
Lead	ND	0.50	mg/Kg wet							
<b>LCS (B209132-BS1)</b>					Prepared: 07/31/18 Analyzed: 08/01/18					
Lead	104	1.5	mg/Kg wet	111		93.3	83-117.1			
<b>LCS Dup (B209132-BSD1)</b>					Prepared: 07/31/18 Analyzed: 08/01/18					
Lead	107	1.5	mg/Kg wet	111		96.4	83-117.1	3.35	30	
<b>Duplicate (B209132-DUP1)</b>					<b>Source: 18G1035-01</b> Prepared: 07/31/18 Analyzed: 08/01/18					
Lead	14.4	0.52	mg/Kg dry		17.2			17.9	35	
<b>MRL Check (B209132-MRL1)</b>					Prepared: 07/31/18 Analyzed: 08/01/18					
Lead	0.515	0.50	mg/Kg wet	0.496		104	80-120			
<b>Matrix Spike (B209132-MS1)</b>					<b>Source: 18G1035-01</b> Prepared: 07/31/18 Analyzed: 08/01/18					
Lead	30.6	0.53	mg/Kg dry	17.7	17.2	75.9	75-125			

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**QUALITY CONTROL**

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B208917 - % Solids</b>										
<b>Duplicate (B208917-DUP3)</b>										
<b>Source: 18G1035-01</b> Prepared: 07/27/18 Analyzed: 07/29/18										
% Solids	94.4		% Wt		94.4			0.0445	20	
<b>Duplicate (B208917-DUP4)</b>										
<b>Source: 18G1035-11</b> Prepared: 07/27/18 Analyzed: 07/29/18										
% Solids	95.5		% Wt		95.6			0.0641	20	

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-N-9 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1035-02 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.52	
	2	0.000	-0.030	0.030	0.64	20.7



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-N-9 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1035-03 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	5.7	
	2	0.000	-0.030	0.030	7.0	18.8

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-N-9 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1035-04 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	4.9	
	2	0.000	-0.030	0.030	5.8	16.8

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-N-9 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1035-05 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.15	
	2	0.000	-0.030	0.030	0.19	23.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-N-7 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1035-09 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.3	
	2	0.000	-0.030	0.030	2.8	19.6

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-L-9 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1035-10 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	12	
	2	0.000	-0.030	0.030	14	15.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-L-9 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1035-11 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.32	
	2	0.000	-0.030	0.030	0.38	17.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-L-9 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1035-12 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.21	21.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-L-8 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1035-14 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	22	
	2	0.000	-0.030	0.030	26	16.7



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-L-8 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1035-15 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.21	21.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-L-8 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1035-16 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.30	
	2	0.000	-0.030	0.030	0.40	28.6

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-K-11 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1035-17 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	8.7	
	2	0.000	-0.030	0.030	10	13.9

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-K-11 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1035-18 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.79	
	2	0.000	-0.030	0.030	0.93	16.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-K-11 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1035-19 Date(s) Analyzed: 07/31/2018 07/31/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.091	
	2	0.000	-0.030	0.030	0.091	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS
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*SW-846 8082A*

Lab Sample ID:                     B208928-BS1                                          Date(s) Analyzed:           07/31/2018                     07/31/2018          

Instrument ID (1):                     ECD10                                          Instrument ID (2):                     ECD10                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.19	11.1
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.21	21.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

*SW-846 8082A*

Lab Sample ID:                     B208928-BSD1                                          Date(s) Analyzed:           07/31/2018                     07/31/2018          

Instrument ID (1):                     ECD10                                          Instrument ID (2):                     ECD10                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.18	5.7
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.21	21.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike**

*SW-846 8082A*

Lab Sample ID:                   B208928-MS1                                        Date(s) Analyzed:           08/01/2018                     08/01/2018          

Instrument ID (1):                   ECD10                                        Instrument ID (2):                   ECD10                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.21	10.0
Aroclor-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.23	24.4



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike Dup**

*SW-846 8082A*

Lab Sample ID:                   B208928-MSD1                                        Date(s) Analyzed:           08/01/2018                     08/01/2018          

Instrument ID (1):                   ECD10                                        Instrument ID (2):                   ECD10                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.22	9.5
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.25	27.3

---

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
O-32	A dilution was performed as part of the standard analytical procedure.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<b>SW-846 6010D in Soil</b>	
Lead	CT,NH,NY,AIHA,ME,VA,NC
<b>SW-846 8082A in Soil</b>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

186-1035  
Phone: 413-525-2332  
Fax: 413-525-6405  
Email: info@contestlabs.com



Company Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Project Name: Comogy  
Project Location: \_\_\_\_\_  
Project Number: \_\_\_\_\_  
Project Manager: \_\_\_\_\_  
Con-Test Quote Name/Number: \_\_\_\_\_  
Invoice Recipient: \_\_\_\_\_  
Sampled By: \_\_\_\_\_

Requested Turnaround Time:  
7-Day  10-Day   
Due Date: \_\_\_\_\_

Analysis Requested:  
1-Day  3-Day   
2-Day  4-Day   
Format: PDF  EXCEL   
Other: \_\_\_\_\_  
CLP Like Data Pkg Required:   
Email To: \_\_\_\_\_  
Fax To #: \_\_\_\_\_

Con-Test Work Order #	Client Sample ID / Description	Quantity	Sampling Date	Matrix Code	Special Requirements
01	B-N-10 (2.5-3.5)	765	11:23	S	MA MCP Required
02	B-N-10 (3.5-5.5)		11:24	S	MCP Certification Form Required
03	B-N-10 (5.5-7.5)		11:25	S	CF RCP Required
04	B-N-11 (2.5-4.5)		11:26	S	MCP Certification Form Required
05	B-N-11 (4.5-11.5)		11:27	S	MA State DW Required
06	B-N-9 (0-0.5)		11:30	S	PWSID ?
07	B-N-9 (0.5-1.5)		11:31	S	
08	B-N-9 (1.5-2.5)		11:32	S	
09	B-N-9 (2.5-3.5)		11:33	S	
10	B-N-9 (3.5-5.5)		11:34	S	

Comments: Samples w/ no checked analyses to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/25/18  
Received by: (signature) \_\_\_\_\_ Date/Time: 7/25/18  
Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/25/18  
Received by: (signature) \_\_\_\_\_ Date/Time: 7/25/18  
Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/25/18  
Received by: (signature) \_\_\_\_\_ Date/Time: 7/25/18

Project Entry:  
 Government  Municipality  MWRA  WRTA  Other  
 Federal  21 J  School  AHA-LAP, LLC  
 City  Brownfield  MBTA

Special Requirements:  
 MA MCP Required  
 MCP Certification Form Required  
 CF RCP Required  
 MCP Certification Form Required  
 MA State DW Required  
 PWSID ?

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PCB ONLY:  
 Soxhlet  
 Non Soxhlet

1861035  
 Phone: 413-525-2332  
 Fax: 413-525-6405  
 Email: info@contestlabs.com

39 Spruce Street  
 East Longmeadow, MA 01028



Company Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Project Name: CONWAY  
 Project Location: \_\_\_\_\_  
 Project Number: \_\_\_\_\_  
 Project Manager: \_\_\_\_\_  
 Con-Test Quote Name/Number: \_\_\_\_\_  
 Invoice Recipient: \_\_\_\_\_  
 Sampled By: \_\_\_\_\_

Requested Turnaround Time:  
 7-Day  10-Day   
 Due Date: \_\_\_\_\_  
 Priority Approval Required:  
 1-Day  3-Day   
 2-Day  4-Day   
 Date Delivery: \_\_\_\_\_  
 Format: PDF  EXCEL   
 Other: \_\_\_\_\_  
 CTP Like Data Pkg Required:   
 Email To: \_\_\_\_\_  
 Fax To #: \_\_\_\_\_

Con-Test Work Order #	Client Sample # / Description	Requesting Date/Time	Sample Date/Time	Sample Location	Sample Type	Sample Volume	Sample Temp	Sample Status
06	B-N-8 (A.S-11.5)	7/25	11:37		S	D		
07	B-N-7 (0.000A-0.5)		12:06					
08	B-N-7 (0.5-1.5)		12:07					
09	B-N-7 (1.5-2.5)		12:08					
	B-N-7 (2.5-3.5)		12:09					
	B-N-7 (3.5-3.5)		12:10					
	B-N-7 (5.5-7.5)		12:11					
	B-N-7 (7.5-9.5)		12:12					
10	B-L-9 (0-0.5)		12:20					

Comments: Samples w/ no analyses checked to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/25/07  
 Received by: (signature) \_\_\_\_\_ Date/Time: 7/25/07  
 Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/25/07  
 Received by: (signature) \_\_\_\_\_ Date/Time: 7/25/07  
 Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/25/07  
 Received by: (signature) \_\_\_\_\_ Date/Time: 7/25/07

Special Requirements:  
 MA MCP Required   
 MCP Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 MA State P00 Required   
 PWSID # \_\_\_\_\_

Project Entry:  
 Government  Municipality  MWRA  WRTA   
 Federal  City  School  MBTA   
 21 J  Brownfield  AHA-LAP, LLC

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# of Containers: \_\_\_\_\_  
 Preservation Code: \_\_\_\_\_  
 Container Code: \_\_\_\_\_

ANALYSIS REQUESTED

1 Matrix Codes:  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

2 Preservation Codes:  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

3 Container Codes:  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

PCB ONLY  
 Soxhlet  
 Non Soxhlet

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 39 Spruce Street  
 East Longmeadow, MA 01028

http://www.contestlabs.com  
 CHAIN OF CUSTODY RECORD  
 Requested Turnaround Time  
 7-Day  10-Day   
 Due Date:  
 Fast Approval Required  
 1-Day  3-Day   
 2-Day  4-Day   
 Data Delivery  
 Format: PDF  EXCEL   
 Other:  
 CLP Like Data Pkg Required:   
 Email To:  
 Fax To #:

1861035  
 Phone: 413-525-2332  
 Fax: 413-525-6405  
 Email: info@contestlabs.com



Company Name: **MEK**  
 Address:  
 Phone:  
 Project Name: **Contingency**  
 Project Location:  
 Project Number:  
 Project Manager:  
 Con-Test Quote Name/Number:  
 Invoice Recipient:  
 Sampled By:

Con-Test Work Order #	Client Sample ID / Description	Sampling Date / Time	Sampling Location	Composite	Matrix Code	Pres. Code
11	B-LA (0.5-1.5)	7/25		1	S	U
12	B-LA (1.5-2.5)	7/25		1	S	U
13	B-LA (2.5-3.5)	7/25		1	S	U
14	B-LA (3.5-5.5)	7/25		1	S	U
15	B-LA (5.5-7.5)	7/25		1	S	U
16	B-LA (7.5-9.5)	7/25		1	S	U
17	B-LA (9.5-11.5)	7/25		1	S	U
18	B-L-8 (0-0.5)	7/25		1	S	U
19	B-L-8 (0.5-1.5)	7/25		1	S	U
20	B-L-8 (1.5-2.5)	7/25		1	S	U

ANALYSIS REQUESTED

1 Matrix Codes:  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

2 Preservation Codes:  
 1 = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

3 Container Codes:  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

PCB ONLY  
 Soxhlet  
 Non Soxhlet

Chromatogram  
 AIHA-LAP, LLC

Other  
 WRTA  
 MWRA  
 School  
 MBTA  
 Municipality  
 21 J  
 Brownfield  
 Government  
 Federal  
 City

Project Entity

Special Requirements  
 MA MCP Required   
 MA J. Certification Form Required   
 CT RCP Required   
 RUP Certification Form Required   
 MA State DW Required   
 PWSID #

Reinquired by: (signature) Date/Time: 7/25/08  
 Received by: (signature) Date/Time: 7/25/08 16:00  
 Reinquired by: (signature) Date/Time: 7/25/08 19:45  
 Received by: (signature) Date/Time: 7/25/08 19:45  
 Reinquired by: (signature) Date/Time: 7/25/08 19:45  
 Received by: (signature) Date/Time: 7/25/08 19:45

Comments:  
 Samples w/ no analytes checked to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

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Requested Turnaround Time:  
 7-Day  10-Day

Due Date: \_\_\_\_\_

Analysis Requested:  
 1-Day  3-Day   
 2-Day  4-Day

Format:  PDF  EXCEL

Other: \_\_\_\_\_

CLP Like Data Pkg Required:

Email To: \_\_\_\_\_

Fax To #: \_\_\_\_\_

Con-Test Work Order #	Client Sample ID / Description	Sampling Date/Time	Container Code	Matrix Code	Analysis Requested	Special Requirements
	B-L-8 (2.5-3.5)	7/25	S	U		
	B-L-9 (7.5-11.5)	12:46				
	B-L-8 (5.5-7.5)	12:47				
	B-L-8 (7.5-9.5)	12:48				
	B-L-8 (9.5-11.5)	12:49				
	B-K-11 (0-0.5)	13:00				
	B-K-11 (0.5-1.5)	1901				
	B-K-11 (1.5-2.5)	17303				
	B-K-11 (2.5-3.5)	17303				
	B-K-11 (3.5-5.5)	17304				

Comments: *Samples w/ no checked analyses to be held*

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Special Requirements:  
 MA MCP Required  
 MCP Certification Form Required  
 C.T. RCP Required  
 RCP Certification Form Required  
 MA Mate DMF Required

Project Entity:  
 Government  Municipality  MWRA  WRTA  
 Federal  City  21 J  School  Chromatogram  
 City  Brownfield  MBTA  ANHA-LAP, LLC

Received by: (signature) Date/Time: 7/25/18  
 Received by: (signature) Date/Time: 7/25/18  
 Received by: (signature) Date/Time: 7/25/18  
 Received by: (signature) Date/Time: 7/25/18  
 Received by: (signature) Date/Time: 7/25/18  
 Received by: (signature) Date/Time: 7/25/18

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Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False**

Client Weston + Sampson

Received By SE Date 7/25/18 Time 1945

How were the samples received? In Cooler T No Cooler        On Ice T No Ice         
 Direct from Sampling        Ambient        Melted Ice       

Were samples within Temperature? 2-6°C T By Gun # 8 Actual Temp - 2.1, 2.4, 3.0  
 By Blank #        Actual Temp -       

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A  
 Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T  
 Did COC include all pertinent Information? Client T Analysis T Sampler Name T  
 Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T  
 Are there Lab to Filters? F Who was notified?         
 Are there Rushes? F Who was notified?         
 Are there Short Holds? F Who was notified?       

Is there enough Volume? T  
 Is there Headspace where applicable? N/A MS/MSD? F  
 Proper Media/Containers Used? T Is splitting samples required? F  
 Were trip blanks received? F On COC? F  
 Do all samples have the proper pH? N/A Acid        Base       

Vials	Containers	#	#	#
Unp-	1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-	500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-	250 mL Amb.		250 mL Plastic	4oz Amb/Clear <u>20</u>
Bisulfate-	Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-	Other Plastic		Other Glass	Encore
Thiosulfate-	SOC Kit		Plastic Bag	Frozen:
Sulfuric-	Perchlorate		Ziplock	

**Unused Media**

Vials	Containers	#	#	#
Unp-	1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-	500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-	250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-	Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-	Other Plastic		Other Glass	Encore
Thiosulfate-	SOC Kit		Plastic Bag	Frozen:
Sulfuric-	Perchlorate		Ziplock	

**Comments:**

*(Empty box for comments)*





August 1, 2018

Taylor Smith  
Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960

Project Location: Conway Park., Somerville, MA  
Client Job Number:  
Project Number: [none]  
Laboratory Work Order Number: 18G1036

Enclosed are results of analyses for samples received by the laboratory on July 25, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Meghan E. Kelley". The signature is written in a cursive style with a large, sweeping flourish at the end.

Meghan E. Kelley  
Project Manager

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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 8/1/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1036

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-K-9 (0-0.5)	18G1036-01	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-K-9 (0.5-1.5)	18G1036-02	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-K-9 (1.5-2.5)	18G1036-03	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-K-9 (2.5-3.5)	18G1036-04	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-K-7 (0-0.5)	18G1036-05	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-K-7 (0.5-1.5)	18G1036-06	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-K-7 (1.5-2.5)	18G1036-07	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-K-7 (2.5-3.5)	18G1036-08	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-K-5 (0-0.5)	18G1036-09	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-K-5 (0.5-1.5)	18G1036-10	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-K-5 (1.5-2.5)	18G1036-11	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-K-5 (2.5-3.5)	18G1036-12	Soil		SM 2540G SW-846 6010D SW-846 8082A	

**CASE NARRATIVE SUMMARY**

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 6010, only Pb was requested and reported.

**SW-846 6010D****Qualifications:****M-10**

The reporting limit verification for the AIHA lead program is outside of control limits for this element. Any reported result at or near the detection limit may be biased on the high side.

**Analyte & Samples(s) Qualified:****Lead**

18G1036-01[B-K-9 (0-0.5)], 18G1036-02[B-K-9 (0.5-1.5)], 18G1036-03[B-K-9 (1.5-2.5)], 18G1036-04[B-K-9 (2.5-3.5)], 18G1036-05[B-K-7 (0-0.5)], 18G1036-06[B-K-7 (0.5-1.5)], 18G1036-07[B-K-7 (1.5-2.5)], 18G1036-08[B-K-7 (2.5-3.5)], 18G1036-09[B-K-5 (0-0.5)], 18G1036-10[B-K-5 (0.5-1.5)], 18G1036-11[B-K-5 (1.5-2.5)], 18G1036-12[B-K-5 (2.5-3.5)], B209016-DUP1, B209016-MRL1

**SW-846 8082A****Qualifications:****MS-21**

Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.

**Analyte & Samples(s) Qualified:****Aroclor-1260**

B208933-MS1, B208933-MSD1

**Aroclor-1260 [2C]**

B208933-MS1, B208933-MSD1

**O-32**

A dilution was performed as part of the standard analytical procedure.

**Analyte & Samples(s) Qualified:**

18G1036-11[B-K-5 (1.5-2.5)]

**S-01**

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**Analyte & Samples(s) Qualified:****Decachlorobiphenyl**

18G1036-01[B-K-9 (0-0.5)], 18G1036-05[B-K-7 (0-0.5)], 18G1036-09[B-K-5 (0-0.5)], 18G1036-10[B-K-5 (0.5-1.5)]

**Decachlorobiphenyl [2C]**

18G1036-01[B-K-9 (0-0.5)], 18G1036-05[B-K-7 (0-0.5)], 18G1036-09[B-K-5 (0-0.5)], 18G1036-10[B-K-5 (0.5-1.5)]

**Tetrachloro-m-xylene**

18G1036-01[B-K-9 (0-0.5)], 18G1036-05[B-K-7 (0-0.5)], 18G1036-09[B-K-5 (0-0.5)], 18G1036-10[B-K-5 (0.5-1.5)]

**Tetrachloro-m-xylene [2C]**

18G1036-01[B-K-9 (0-0.5)], 18G1036-05[B-K-7 (0-0.5)], 18G1036-09[B-K-5 (0-0.5)], 18G1036-10[B-K-5 (0.5-1.5)]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Tod Kopycinski". The signature is written in a cursive style with a large, sweeping initial "T".

Tod E. Kopycinski  
Laboratory Director

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1036

Date Received: 7/25/2018

Field Sample #: B-K-9 (0-0.5)

Sampled: 7/25/2018 13:10

Sample ID: 18G1036-01

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/28/18	8/1/18 8:53	WAL
Aroclor-1221 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/28/18	8/1/18 8:53	WAL
Aroclor-1232 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/28/18	8/1/18 8:53	WAL
Aroclor-1242 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/28/18	8/1/18 8:53	WAL
Aroclor-1248 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/28/18	8/1/18 8:53	WAL
Aroclor-1254 [1]	15	1.7	mg/Kg dry	80		SW-846 8082A	7/28/18	8/1/18 8:53	WAL
Aroclor-1260 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/28/18	8/1/18 8:53	WAL
Aroclor-1262 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/28/18	8/1/18 8:53	WAL
Aroclor-1268 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/28/18	8/1/18 8:53	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/1/18 8:53	
Decachlorobiphenyl [2]		*	30-150		S-01			8/1/18 8:53	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/1/18 8:53	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/1/18 8:53	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1036

Date Received: 7/25/2018

Field Sample #: B-K-9 (0-0.5)

Sampled: 7/25/2018 13:10

Sample ID: 18G1036-01

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	240	0.57	mg/Kg dry	1	M-10	SW-846 6010D	7/30/18	7/31/18 17:08	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1036

Date Received: 7/25/2018

Field Sample #: B-K-9 (0-0.5)

Sampled: 7/25/2018 13:10

Sample ID: 18G1036-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.1		% Wt	1		SM 2540G	7/27/18	7/29/18 8:07	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1036

Date Received: 7/25/2018

Field Sample #: B-K-9 (0.5-1.5)

Sampled: 7/25/2018 13:11

Sample ID: 18G1036-02

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.16	mg/Kg dry	8		SW-846 8082A	7/28/18	8/1/18 9:06	WAL
Aroclor-1221 [1]	ND	0.16	mg/Kg dry	8		SW-846 8082A	7/28/18	8/1/18 9:06	WAL
Aroclor-1232 [1]	ND	0.16	mg/Kg dry	8		SW-846 8082A	7/28/18	8/1/18 9:06	WAL
Aroclor-1242 [1]	ND	0.16	mg/Kg dry	8		SW-846 8082A	7/28/18	8/1/18 9:06	WAL
Aroclor-1248 [1]	ND	0.16	mg/Kg dry	8		SW-846 8082A	7/28/18	8/1/18 9:06	WAL
Aroclor-1254 [1]	1.4	0.16	mg/Kg dry	8		SW-846 8082A	7/28/18	8/1/18 9:06	WAL
Aroclor-1260 [1]	ND	0.16	mg/Kg dry	8		SW-846 8082A	7/28/18	8/1/18 9:06	WAL
Aroclor-1262 [1]	ND	0.16	mg/Kg dry	8		SW-846 8082A	7/28/18	8/1/18 9:06	WAL
Aroclor-1268 [1]	ND	0.16	mg/Kg dry	8		SW-846 8082A	7/28/18	8/1/18 9:06	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		103	30-150					8/1/18 9:06	
Decachlorobiphenyl [2]		90.3	30-150					8/1/18 9:06	
Tetrachloro-m-xylene [1]		91.2	30-150					8/1/18 9:06	
Tetrachloro-m-xylene [2]		83.9	30-150					8/1/18 9:06	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1036

Date Received: 7/25/2018

Field Sample #: B-K-9 (0.5-1.5)

Sampled: 7/25/2018 13:11

Sample ID: 18G1036-02

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	91	0.52	mg/Kg dry	1	M-10	SW-846 6010D	7/30/18	7/31/18 17:03	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1036

Date Received: 7/25/2018

Field Sample #: B-K-9 (0.5-1.5)

Sampled: 7/25/2018 13:11

Sample ID: 18G1036-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.1		% Wt	1		SM 2540G	7/27/18	7/29/18 8:08	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1036

Date Received: 7/25/2018

Field Sample #: B-K-9 (1.5-2.5)

Sampled: 7/25/2018 13:12

Sample ID: 18G1036-03

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 1:56	WAL
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 1:56	WAL
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 1:56	WAL
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 1:56	WAL
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 1:56	WAL
Aroclor-1254 [1]	0.12	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 1:56	WAL
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 1:56	WAL
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 1:56	WAL
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 1:56	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		94.8	30-150					8/1/18 1:56	
Decachlorobiphenyl [2]		86.0	30-150					8/1/18 1:56	
Tetrachloro-m-xylene [1]		85.8	30-150					8/1/18 1:56	
Tetrachloro-m-xylene [2]		76.5	30-150					8/1/18 1:56	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1036

Date Received: 7/25/2018

Field Sample #: B-K-9 (1.5-2.5)

Sampled: 7/25/2018 13:12

Sample ID: 18G1036-03

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	43	0.56	mg/Kg dry	1	M-10	SW-846 6010D	7/30/18	7/31/18 17:12	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1036

Date Received: 7/25/2018

Field Sample #: B-K-9 (1.5-2.5)

Sampled: 7/25/2018 13:12

Sample ID: 18G1036-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.7		% Wt	1		SM 2540G	7/27/18	7/29/18 8:08	MJR



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1036

Date Received: 7/25/2018

Field Sample #: B-K-9 (2.5-3.5)

Sampled: 7/25/2018 13:13

Sample ID: 18G1036-04

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 2:14	WAL
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 2:14	WAL
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 2:14	WAL
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 2:14	WAL
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 2:14	WAL
Aroclor-1254 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 2:14	WAL
Aroclor-1260 [1]	0.20	0.087	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 2:14	WAL
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 2:14	WAL
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 2:14	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		111	30-150					8/1/18 2:14	
Decachlorobiphenyl [2]		111	30-150					8/1/18 2:14	
Tetrachloro-m-xylene [1]		91.4	30-150					8/1/18 2:14	
Tetrachloro-m-xylene [2]		78.3	30-150					8/1/18 2:14	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1036

Date Received: 7/25/2018

Field Sample #: B-K-9 (2.5-3.5)

Sampled: 7/25/2018 13:13

Sample ID: 18G1036-04

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	700	0.56	mg/Kg dry	1	M-10	SW-846 6010D	7/30/18	7/31/18 17:17	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1036

Date Received: 7/25/2018

Field Sample #: B-K-9 (2.5-3.5)

Sampled: 7/25/2018 13:13

Sample ID: 18G1036-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.0		% Wt	1		SM 2540G	7/27/18	7/29/18 8:08	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1036

Date Received: 7/25/2018

Field Sample #: B-K-7 (0-0.5)

Sampled: 7/25/2018 13:28

Sample ID: 18G1036-05

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	7/28/18	8/1/18 9:19	WAL
Aroclor-1221 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	7/28/18	8/1/18 9:19	WAL
Aroclor-1232 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	7/28/18	8/1/18 9:19	WAL
Aroclor-1242 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	7/28/18	8/1/18 9:19	WAL
Aroclor-1248 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	7/28/18	8/1/18 9:19	WAL
Aroclor-1254 [1]	8.8	0.92	mg/Kg dry	40		SW-846 8082A	7/28/18	8/1/18 9:19	WAL
Aroclor-1260 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	7/28/18	8/1/18 9:19	WAL
Aroclor-1262 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	7/28/18	8/1/18 9:19	WAL
Aroclor-1268 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	7/28/18	8/1/18 9:19	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/1/18 9:19	
Decachlorobiphenyl [2]		*	30-150		S-01			8/1/18 9:19	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/1/18 9:19	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/1/18 9:19	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1036

Date Received: 7/25/2018

Field Sample #: B-K-7 (0-0.5)

Sampled: 7/25/2018 13:28

Sample ID: 18G1036-05

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	230	0.57	mg/Kg dry	1	M-10	SW-846 6010D	7/30/18	7/31/18 17:22	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1036

Date Received: 7/25/2018

Field Sample #: B-K-7 (0-0.5)

Sampled: 7/25/2018 13:28

Sample ID: 18G1036-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.4		% Wt	1		SM 2540G	7/27/18	7/29/18 8:08	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1036

Date Received: 7/25/2018

Field Sample #: B-K-7 (0.5-1.5)

Sampled: 7/25/2018 13:29

Sample ID: 18G1036-06

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 2:50	WAL
Aroclor-1221 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 2:50	WAL
Aroclor-1232 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 2:50	WAL
Aroclor-1242 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 2:50	WAL
Aroclor-1248 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 2:50	WAL
Aroclor-1254 [1]	0.47	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 2:50	WAL
Aroclor-1260 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 2:50	WAL
Aroclor-1262 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 2:50	WAL
Aroclor-1268 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 2:50	WAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	103		30-150				8/1/18 2:50		
Decachlorobiphenyl [2]	88.9		30-150				8/1/18 2:50		
Tetrachloro-m-xylene [1]	91.7		30-150				8/1/18 2:50		
Tetrachloro-m-xylene [2]	83.6		30-150				8/1/18 2:50		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1036

Date Received: 7/25/2018

Field Sample #: B-K-7 (0.5-1.5)

Sampled: 7/25/2018 13:29

Sample ID: 18G1036-06

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	54	0.51	mg/Kg dry	1	M-10	SW-846 6010D	7/30/18	7/31/18 18:03	QNW



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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1036

Date Received: 7/25/2018

Field Sample #: B-K-7 (0.5-1.5)

Sampled: 7/25/2018 13:29

Sample ID: 18G1036-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.2		% Wt	1		SM 2540G	7/27/18	7/29/18 8:08	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1036

Date Received: 7/25/2018

Field Sample #: B-K-7 (1.5-2.5)

Sampled: 7/25/2018 13:30

Sample ID: 18G1036-07

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 3:09	WAL
Aroclor-1221 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 3:09	WAL
Aroclor-1232 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 3:09	WAL
Aroclor-1242 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 3:09	WAL
Aroclor-1248 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 3:09	WAL
Aroclor-1254 [1]	0.089	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 3:09	WAL
Aroclor-1260 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 3:09	WAL
Aroclor-1262 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 3:09	WAL
Aroclor-1268 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 3:09	WAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	112		30-150				8/1/18 3:09		
Decachlorobiphenyl [2]	96.7		30-150				8/1/18 3:09		
Tetrachloro-m-xylene [1]	53.1		30-150				8/1/18 3:09		
Tetrachloro-m-xylene [2]	48.2		30-150				8/1/18 3:09		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1036

Date Received: 7/25/2018

Field Sample #: B-K-7 (1.5-2.5)

Sampled: 7/25/2018 13:30

Sample ID: 18G1036-07

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	4.4	0.50	mg/Kg dry	1	M-10	SW-846 6010D	7/30/18	7/31/18 18:08	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1036

Date Received: 7/25/2018

Field Sample #: B-K-7 (1.5-2.5)

Sampled: 7/25/2018 13:30

Sample ID: 18G1036-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.9		% Wt	1		SM 2540G	7/27/18	7/29/18 8:08	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1036

Date Received: 7/25/2018

Field Sample #: B-K-7 (2.5-3.5)

Sampled: 7/25/2018 13:31

Sample ID: 18G1036-08

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	7/28/18	8/1/18 9:32	WAL
Aroclor-1221 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	7/28/18	8/1/18 9:32	WAL
Aroclor-1232 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	7/28/18	8/1/18 9:32	WAL
Aroclor-1242 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	7/28/18	8/1/18 9:32	WAL
Aroclor-1248 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	7/28/18	8/1/18 9:32	WAL
Aroclor-1254 [1]	1.3	0.18	mg/Kg dry	8		SW-846 8082A	7/28/18	8/1/18 9:32	WAL
Aroclor-1260 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	7/28/18	8/1/18 9:32	WAL
Aroclor-1262 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	7/28/18	8/1/18 9:32	WAL
Aroclor-1268 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	7/28/18	8/1/18 9:32	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		93.9	30-150					8/1/18 9:32	
Decachlorobiphenyl [2]		82.5	30-150					8/1/18 9:32	
Tetrachloro-m-xylene [1]		87.4	30-150					8/1/18 9:32	
Tetrachloro-m-xylene [2]		80.0	30-150					8/1/18 9:32	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1036

Date Received: 7/25/2018

Field Sample #: B-K-7 (2.5-3.5)

Sampled: 7/25/2018 13:31

Sample ID: 18G1036-08

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	340	0.55	mg/Kg dry	1	M-10	SW-846 6010D	7/30/18	7/31/18 18:12	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1036

Date Received: 7/25/2018

Field Sample #: B-K-7 (2.5-3.5)

Sampled: 7/25/2018 13:31

Sample ID: 18G1036-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.6		% Wt	1		SM 2540G	7/27/18	7/29/18 8:09	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1036

Date Received: 7/25/2018

Field Sample #: B-K-5 (0-0.5)

Sampled: 7/25/2018 13:35

Sample ID: 18G1036-09

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/28/18	8/1/18 9:45	WAL
Aroclor-1221 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/28/18	8/1/18 9:45	WAL
Aroclor-1232 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/28/18	8/1/18 9:45	WAL
Aroclor-1242 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/28/18	8/1/18 9:45	WAL
Aroclor-1248 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/28/18	8/1/18 9:45	WAL
Aroclor-1254 [1]	8.4	0.90	mg/Kg dry	40		SW-846 8082A	7/28/18	8/1/18 9:45	WAL
Aroclor-1260 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/28/18	8/1/18 9:45	WAL
Aroclor-1262 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/28/18	8/1/18 9:45	WAL
Aroclor-1268 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/28/18	8/1/18 9:45	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/1/18 9:45	
Decachlorobiphenyl [2]		*	30-150		S-01			8/1/18 9:45	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/1/18 9:45	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/1/18 9:45	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1036

Date Received: 7/25/2018

Field Sample #: B-K-5 (0-0.5)

Sampled: 7/25/2018 13:35

Sample ID: 18G1036-09

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	110	0.54	mg/Kg dry	1	M-10	SW-846 6010D	7/30/18	7/31/18 18:18	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1036

Date Received: 7/25/2018

Field Sample #: B-K-5 (0-0.5)

Sampled: 7/25/2018 13:35

Sample ID: 18G1036-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.1		% Wt	1		SM 2540G	7/27/18	7/29/18 8:09	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1036

Date Received: 7/25/2018

Field Sample #: B-K-5 (0.5-1.5)

Sampled: 7/25/2018 13:36

Sample ID: 18G1036-10

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/28/18	8/1/18 9:58	WAL
Aroclor-1221 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/28/18	8/1/18 9:58	WAL
Aroclor-1232 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/28/18	8/1/18 9:58	WAL
Aroclor-1242 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/28/18	8/1/18 9:58	WAL
Aroclor-1248 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/28/18	8/1/18 9:58	WAL
Aroclor-1254 [1]	12	1.7	mg/Kg dry	80		SW-846 8082A	7/28/18	8/1/18 9:58	WAL
Aroclor-1260 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/28/18	8/1/18 9:58	WAL
Aroclor-1262 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/28/18	8/1/18 9:58	WAL
Aroclor-1268 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/28/18	8/1/18 9:58	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/1/18 9:58	
Decachlorobiphenyl [2]		*	30-150		S-01			8/1/18 9:58	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/1/18 9:58	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/1/18 9:58	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1036

Date Received: 7/25/2018

Field Sample #: B-K-5 (0.5-1.5)

Sampled: 7/25/2018 13:36

Sample ID: 18G1036-10

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	180	0.55	mg/Kg dry	1	M-10	SW-846 6010D	7/30/18	7/31/18 18:22	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1036

Date Received: 7/25/2018

Field Sample #: B-K-5 (0.5-1.5)

Sampled: 7/25/2018 13:36

Sample ID: 18G1036-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.6		% Wt	1		SM 2540G	7/27/18	7/29/18 8:09	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1036

Date Received: 7/25/2018

Field Sample #: B-K-5 (1.5-2.5)

Sampled: 7/25/2018 13:37

Sample ID: 18G1036-11

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 4:23	WAL
Aroclor-1221 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 4:23	WAL
Aroclor-1232 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 4:23	WAL
Aroclor-1242 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 4:23	WAL
Aroclor-1248 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 4:23	WAL
Aroclor-1254 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 4:23	WAL
Aroclor-1260 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 4:23	WAL
Aroclor-1262 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 4:23	WAL
Aroclor-1268 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/28/18	8/1/18 4:23	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		105	30-150					8/1/18 4:23	
Decachlorobiphenyl [2]		90.7	30-150					8/1/18 4:23	
Tetrachloro-m-xylene [1]		43.9	30-150					8/1/18 4:23	
Tetrachloro-m-xylene [2]		40.0	30-150					8/1/18 4:23	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1036

Date Received: 7/25/2018

Field Sample #: B-K-5 (1.5-2.5)

Sampled: 7/25/2018 13:37

Sample ID: 18G1036-11

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	6.2	0.50	mg/Kg dry	1	M-10	SW-846 6010D	7/30/18	7/31/18 18:27	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1036

Date Received: 7/25/2018

Field Sample #: B-K-5 (1.5-2.5)

Sampled: 7/25/2018 13:37

Sample ID: 18G1036-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.7		% Wt	1		SM 2540G	7/27/18	7/29/18 8:09	MJR



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1036

Date Received: 7/25/2018

Field Sample #: B-K-5 (2.5-3.5)

Sampled: 7/25/2018 13:38

Sample ID: 18G1036-12

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	7/28/18	8/1/18 10:11	WAL
Aroclor-1221 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	7/28/18	8/1/18 10:11	WAL
Aroclor-1232 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	7/28/18	8/1/18 10:11	WAL
Aroclor-1242 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	7/28/18	8/1/18 10:11	WAL
Aroclor-1248 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	7/28/18	8/1/18 10:11	WAL
Aroclor-1254 [1]	1.4	0.18	mg/Kg dry	8		SW-846 8082A	7/28/18	8/1/18 10:11	WAL
Aroclor-1260 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	7/28/18	8/1/18 10:11	WAL
Aroclor-1262 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	7/28/18	8/1/18 10:11	WAL
Aroclor-1268 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	7/28/18	8/1/18 10:11	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		62.6	30-150					8/1/18 10:11	
Decachlorobiphenyl [2]		60.7	30-150					8/1/18 10:11	
Tetrachloro-m-xylene [1]		53.9	30-150					8/1/18 10:11	
Tetrachloro-m-xylene [2]		46.5	30-150					8/1/18 10:11	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1036

Date Received: 7/25/2018

Field Sample #: B-K-5 (2.5-3.5)

Sampled: 7/25/2018 13:38

Sample ID: 18G1036-12

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	170	0.53	mg/Kg dry	1	M-10	SW-846 6010D	7/30/18	7/31/18 18:42	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1036

Date Received: 7/25/2018

Field Sample #: B-K-5 (2.5-3.5)

Sampled: 7/25/2018 13:38

Sample ID: 18G1036-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.8		% Wt	1		SM 2540G	7/27/18	7/29/18 8:09	MJR

**Sample Extraction Data**

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18G1036-01 [B-K-9 (0-0.5)]	B208917	07/27/18
18G1036-02 [B-K-9 (0.5-1.5)]	B208917	07/27/18
18G1036-03 [B-K-9 (1.5-2.5)]	B208917	07/27/18
18G1036-04 [B-K-9 (2.5-3.5)]	B208917	07/27/18
18G1036-05 [B-K-7 (0-0.5)]	B208917	07/27/18
18G1036-06 [B-K-7 (0.5-1.5)]	B208917	07/27/18
18G1036-07 [B-K-7 (1.5-2.5)]	B208917	07/27/18
18G1036-08 [B-K-7 (2.5-3.5)]	B208917	07/27/18
18G1036-09 [B-K-5 (0-0.5)]	B208917	07/27/18
18G1036-10 [B-K-5 (0.5-1.5)]	B208917	07/27/18
18G1036-11 [B-K-5 (1.5-2.5)]	B208917	07/27/18
18G1036-12 [B-K-5 (2.5-3.5)]	B208917	07/27/18

**Prep Method: SW-846 3050B-SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1036-01 [B-K-9 (0-0.5)]	B209016	1.47	50.0	07/30/18
18G1036-02 [B-K-9 (0.5-1.5)]	B209016	1.51	50.0	07/30/18
18G1036-03 [B-K-9 (1.5-2.5)]	B209016	1.51	50.0	07/30/18
18G1036-04 [B-K-9 (2.5-3.5)]	B209016	1.50	50.0	07/30/18
18G1036-05 [B-K-7 (0-0.5)]	B209016	1.52	50.0	07/30/18
18G1036-06 [B-K-7 (0.5-1.5)]	B209016	1.53	50.0	07/30/18
18G1036-07 [B-K-7 (1.5-2.5)]	B209016	1.54	50.0	07/30/18
18G1036-08 [B-K-7 (2.5-3.5)]	B209016	1.52	50.0	07/30/18
18G1036-09 [B-K-5 (0-0.5)]	B209016	1.57	50.0	07/30/18
18G1036-10 [B-K-5 (0.5-1.5)]	B209016	1.48	50.0	07/30/18
18G1036-11 [B-K-5 (1.5-2.5)]	B209016	1.57	50.0	07/30/18
18G1036-12 [B-K-5 (2.5-3.5)]	B209016	1.57	50.0	07/30/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1036-01 [B-K-9 (0-0.5)]	B208933	10.7	10.0	07/28/18
18G1036-02 [B-K-9 (0.5-1.5)]	B208933	10.5	10.0	07/28/18
18G1036-03 [B-K-9 (1.5-2.5)]	B208933	10.2	10.0	07/28/18
18G1036-04 [B-K-9 (2.5-3.5)]	B208933	10.2	10.0	07/28/18
18G1036-05 [B-K-7 (0-0.5)]	B208933	10.1	10.0	07/28/18
18G1036-06 [B-K-7 (0.5-1.5)]	B208933	10.3	10.0	07/28/18
18G1036-07 [B-K-7 (1.5-2.5)]	B208933	10.4	10.0	07/28/18
18G1036-08 [B-K-7 (2.5-3.5)]	B208933	10.2	10.0	07/28/18
18G1036-09 [B-K-5 (0-0.5)]	B208933	10.1	10.0	07/28/18
18G1036-10 [B-K-5 (0.5-1.5)]	B208933	10.0	10.0	07/28/18
18G1036-11 [B-K-5 (1.5-2.5)]	B208933	10.4	10.0	07/28/18
18G1036-12 [B-K-5 (2.5-3.5)]	B208933	10.0	10.0	07/28/18

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B208933 - SW-846 3540C**

**Blank (B208933-BLK1)**

Prepared: 07/28/18 Analyzed: 07/31/18

Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.208		mg/Kg wet	0.200		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.184		mg/Kg wet	0.200		91.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.153		mg/Kg wet	0.200		76.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.138		mg/Kg wet	0.200		68.9	30-150			

**LCS (B208933-BS1)**

Prepared: 07/28/18 Analyzed: 07/31/18

Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		83.8	40-140			
Aroclor-1016 [2C]	0.16	0.020	mg/Kg wet	0.200		77.5	40-140			
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		86.7	40-140			
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		77.4	40-140			
Surrogate: Decachlorobiphenyl	0.202		mg/Kg wet	0.200		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.178		mg/Kg wet	0.200		89.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.138		mg/Kg wet	0.200		69.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.124		mg/Kg wet	0.200		61.9	30-150			

**LCS Dup (B208933-BSD1)**

Prepared: 07/28/18 Analyzed: 07/31/18

Aroclor-1016	0.20	0.020	mg/Kg wet	0.200		98.1	40-140	15.6	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		90.5	40-140	15.5	30	
Aroclor-1260	0.19	0.020	mg/Kg wet	0.200		97.3	40-140	11.6	30	
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.200		88.1	40-140	12.9	30	
Surrogate: Decachlorobiphenyl	0.221		mg/Kg wet	0.200		111	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.194		mg/Kg wet	0.200		96.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.159		mg/Kg wet	0.200		79.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.142		mg/Kg wet	0.200		70.9	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B208933 - SW-846 3540C</b>										
<b>Matrix Spike (B208933-MS1)</b>	<b>Source: 18G1036-01</b>			Prepared: 07/28/18 Analyzed: 08/01/18						
Aroclor-1016	0.20	0.085	mg/Kg dry	0.212	ND	94.8	40-140			
Aroclor-1016 [2C]	0.27	0.085	mg/Kg dry	0.212	ND	125	40-140			
<b>Aroclor-1260</b>	3.3	0.085	mg/Kg dry	0.212	ND	<b>1540</b> *	40-140			MS-21
<b>Aroclor-1260 [2C]</b>	3.1	0.085	mg/Kg dry	0.212	ND	<b>1470</b> *	40-140			MS-21
Surrogate: Decachlorobiphenyl	0.195		mg/Kg dry	0.212		91.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.172		mg/Kg dry	0.212		81.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.169		mg/Kg dry	0.212		79.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.144		mg/Kg dry	0.212		68.1	30-150			
<b>Matrix Spike Dup (B208933-MSD1)</b>	<b>Source: 18G1036-01</b>			Prepared: 07/28/18 Analyzed: 08/01/18						
Aroclor-1016	0.23	0.089	mg/Kg dry	0.222	ND	105	40-140		50	
Aroclor-1016 [2C]	0.30	0.089	mg/Kg dry	0.222	ND	134	40-140		50	
<b>Aroclor-1260</b>	3.8	0.089	mg/Kg dry	0.222	ND	<b>1730</b> *	40-140	15.9	50	MS-21
<b>Aroclor-1260 [2C]</b>	3.6	0.089	mg/Kg dry	0.222	ND	<b>1620</b> *	40-140	14.5	50	MS-21
Surrogate: Decachlorobiphenyl	0.241		mg/Kg dry	0.222		109	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.209		mg/Kg dry	0.222		94.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.211		mg/Kg dry	0.222		94.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.182		mg/Kg dry	0.222		82.0	30-150			

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**QUALITY CONTROL**

**Metals Analyses (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209016 - SW-846 3050B</b>										
<b>Blank (B209016-BLK1)</b>					Prepared: 07/30/18 Analyzed: 07/31/18					
Lead	ND	0.50	mg/Kg wet							
<b>LCS (B209016-BS1)</b>					Prepared: 07/30/18 Analyzed: 07/31/18					
Lead	105	1.5	mg/Kg wet	111		94.9	83-117.1			
<b>LCS Dup (B209016-BSD1)</b>					Prepared: 07/30/18 Analyzed: 07/31/18					
Lead	102	1.5	mg/Kg wet	111		92.3	83-117.1	2.76	30	
<b>Duplicate (B209016-DUP1)</b>					<b>Source: 18G1036-02</b> Prepared: 07/30/18 Analyzed: 07/31/18					
Lead	82.4	0.53	mg/Kg dry		91.1			10.1	35	M-10
<b>MRL Check (B209016-MRL1)</b>					Prepared: 07/30/18 Analyzed: 07/31/18					
Lead	0.691	0.50	mg/Kg wet	0.504		137	* 80-120			M-10
<b>Matrix Spike (B209016-MS1)</b>					<b>Source: 18G1036-02</b> Prepared: 07/30/18 Analyzed: 07/31/18					
Lead	105	0.52	mg/Kg dry	17.5	91.1	77.4	75-125			

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**QUALITY CONTROL**

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B208917 - % Solids</b>										
<b>Duplicate (B208917-DUP5)</b>										
				<b>Source: 18G1036-01</b>		Prepared: 07/27/18 Analyzed: 07/29/18				
% Solids	89.3		% Wt		89.1			0.200	20	
<b>Duplicate (B208917-DUP6)</b>										
				<b>Source: 18G1036-12</b>		Prepared: 07/27/18 Analyzed: 07/29/18				
% Solids	91.4		% Wt		90.8			0.653	20	



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-K-9 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1036-01 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	15	
	2	0.000	-0.030	0.030	15	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-K-9 (0.5-1.5)**

Lab Sample ID: 18G1036-02 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.4	
	2	0.000	-0.030	0.030	1.4	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-K-9 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1036-03 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.12	
	2	0.000	-0.030	0.030	0.10	18.2

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-K-9 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1036-04 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.16	22.2

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-K-7 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1036-05 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	8.8	
	2	0.000	-0.030	0.030	8.7	1.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-K-7 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1036-06 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.47	
	2	0.000	-0.030	0.030	0.45	4.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-K-7 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1036-07 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.089	
	2	0.000	-0.030	0.030	0.083	7.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-K-7 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1036-08 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.3	
	2	0.000	-0.030	0.030	1.3	0.0



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-K-5 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1036-09 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	8.4	
	2	0.000	-0.030	0.030	8.2	2.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-K-5 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1036-10 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	12	
	2	0.000	-0.030	0.030	12	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-K-5 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1036-12 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.4	
	2	0.000	-0.030	0.030	1.4	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS
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*SW-846 8082A*

Lab Sample ID:                     B208933-BS1                                          Date(s) Analyzed:           07/31/2018                     07/31/2018          

Instrument ID (1):                     ECD1                                          Instrument ID (2):                     ECD1                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.16	6.1
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.15	12.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

<b>LCS Dup</b>
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Lab Sample ID:                   B208933-BSD1                                        Date(s) Analyzed:           07/31/2018                     07/31/2018          

Instrument ID (1):                   ECD1                                        Instrument ID (2):                   ECD1                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.18	10.5
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.18	10.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike**

*SW-846 8082A*

Lab Sample ID:                   B208933-MS1                                        Date(s) Analyzed:           08/01/2018                     08/01/2018          

Instrument ID (1):                   ECD1                                        Instrument ID (2):                   ECD1                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.27	29.8
Aroclor-1260	1	0.000	-0.030	0.030	3.3	
	2	0.000	-0.030	0.030	3.1	6.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike Dup**

*SW-846 8082A*

Lab Sample ID:                   B208933-MSD1                                        Date(s) Analyzed:           08/01/2018                     08/01/2018          

Instrument ID (1):                   ECD1                                        Instrument ID (2):                   ECD1                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.23	
	2	0.000	-0.030	0.030	0.30	26.4
Aroclor-1260	1	0.000	-0.030	0.030	3.8	
	2	0.000	-0.030	0.030	3.6	5.4

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**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
M-10	The reporting limit verification for the AIHA lead program is outside of control limits for this element. Any reported result at or near the detection limit may be biased on the high side.
MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
O-32	A dilution was performed as part of the standard analytical procedure.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.



**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<b>SW-846 6010D in Soil</b>	
Lead	CT,NH,NY,AIHA,ME,VA,NC
<b>SW-846 8082A in Soil</b>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

106-186-1036

Phone: 413-525-2332

Fax: 413-525-6405

Email: info@contestlabs.com



MEK

Company Name

Address:

Phone:

Project Name:

Project Location:

Project Number:

Project Manager:

Con-Test Quote Name/Number:

Invoice Recipient:

Sampled By:

7-Day  10-Day   
Due Date:

Fast Approval Required  
1-Day  3-Day   
2-Day  4-Day   
Date Delivery

Format: PDF  EXCEL   
Other:

CLP Like Data Pkg Required:   
Email To:  
Fax To #:

Con-Test Work Order #	Client Sample ID / Description	Sampling Date/Time	Analysis Date/Time	Composite	State	Matrix Code	Preservation Code	Container Code
01	B-K-11 (SS-7.5)	7/25	1305	1	S	U		
02	B-K-11 (7.5-9.5)		1306					
03	B-K-11 (9.5-11.5)		1307					
04	B-K-9 (0-0.5)		1310					
	B-K-9 (0.5-1.5)		1311					
	B-K-9 (1.5-2.5)		1312					
	B-K-9 (2.5-3.5)		1313					
	B-K-9 (3.5-5.5)		1314					
	B-K-9 (5.5-7.5)		1315					
	B-K-9 (7.5-9.5)		1316					

Comments: Samples w/ no checked analyses to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) Date/Time: 7/25/18

Received by: (signature) Date/Time: 7/25/18 10:00

Relinquished by: (signature) Date/Time: 7/25/18

Received by: (signature) Date/Time: 7/25/18 1945

Relinquished by: (signature) Date/Time: 7/25/18 1945

Received by: (signature) Date/Time:

Special Requirements

MA MCP Required

MCP Certification Form Required

CT RCP Required

RCP Certification Form Required

MA State DAW Required

IMP/SED #

Project Entity

Government  Municipality  MWRA  WRTA   
Federal  21 J  School   
City  Brownfield  MBTA

Other Chromatogram  AIPA-LAP, LLC

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# of Containers

Preservation Code

Container Code

Disinfectant Matrix Samples

Field Filtered

Lab to Filter

Organics Matrix Samples

Field Filtered

Lab to Filter

1 Matrix Codes:  
GW = Ground Water  
WW = Waste Water  
DW = Drinking Water  
A = Air  
S = Soil  
SL = Sludge  
SOL = Solid  
O = Other (please define)

2 Preservation Codes:  
I = Icebed  
H = HCL  
M = Methanol  
N = Nitric Acid  
S = Sulfuric Acid  
B = Sodium Bisulfate  
X = Sodium Hydroxide  
T = Sodium Thiosulfate  
O = Other (please define)

3 Container Codes:  
A = Amber Glass  
G = Glass  
P = Plastic  
ST = Sterile  
V = Vial  
S = Summa Canister  
T = Tedlar Bag  
O = Other (please define)

PCB ONLY

Soxhlet

Non Soxhlet

186-1036  
Phone: 413-525-2332  
Fax: 413-525-6405  
Email: info@contestlabs.com



Requester's turnaround time  
 7-Day  10-Day   
 Due Date:  
 Requester's Approval Required  
 1-Day  3-Day   
 2-Day  4-Day   
 Data Delivery  
 Format: PDF  EXCEL   
 Other:  
 CLP Like Data Pkg Required:   
 Email To:  
 Fax To #:

Company Name  
 Address:  
 Phone:  
 Project Name: CHANG  
 Project Location:  
 Project Number:  
 Project Manager:  
 Con-Test Quote Name/Number:  
 Invoice Recipient:  
 Sampled By:

Con-Test Work Order	Client Sample ID / Description	Requesting Party Name	Priority	Composite	Gray	Wash	Com. Code
B-K-9	(9.S-11.S)	7/25	1317				S ✓
B-K-9	(11.S-13.S)		1318				S ✓
B-K-7	(0.0.S)		1328				S ✓
B-K-7	(0.S-1.S)		1329				S ✓
B-K-7	(1.S-2.S)		1330				S ✓
B-K-7	(2.S-3.S)		1331				S ✓
B-K-7	(3.S-4.S)		1332				S ✓
B-K-7	(5.S-7.S)		1333				S ✓
B-K-7	(7.S-9.S)		1334				S ✓
B-K-7	(9.S-11.S)		1335				S ✓

Comments: numbers w/ no checked analyses to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Reinquired by (Signature): [Signature] Date/Time: 7/25/18  
 Received by (Signature): [Signature] Date/Time: 7/25/18  
 Reinquished by (Signature): [Signature] Date/Time: 7/25/18  
 Received by (Signature): [Signature] Date/Time: 7/25/18  
 Reinquished by (Signature): [Signature] Date/Time: 7/25/18

Special Requirements:  
 MA MCP Required   
 MCP Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 MA State DW Required   
 PWSID #

Project Entry:  
 Government  Municipality  MMRA  WRTA  Other   
 Federal  21 J  School  AIHA-LAP, LLC   
 City  Brownfield  MBTA

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ANALYSIS REQUESTED

Matrix Codes:	Preservation Codes:	Container Codes:
GW = Ground Water WW = Waste Water DW = Drinking Water A = Air S = Soil SL = Sludge SOL = Solid O = Other (please define)	1 = Iced H = HCL M = Methanol N = Nitric Acid S = Sulfuric Acid B = Sodium Bisulfate X = Sodium Hydroxide T = Sodium Thiosulfate O = Other (please define)	A = Amber Glass G = Glass P = Plastic ST = Sterile V = Vial S = Summa Canister T = Tedlar Bag O = Other (please define)

Matrix Codes:	Preservation Codes:	Container Codes:
GW = Ground Water WW = Waste Water DW = Drinking Water A = Air S = Soil SL = Sludge SOL = Solid O = Other (please define)	1 = Iced H = HCL M = Methanol N = Nitric Acid S = Sulfuric Acid B = Sodium Bisulfate X = Sodium Hydroxide T = Sodium Thiosulfate O = Other (please define)	A = Amber Glass G = Glass P = Plastic ST = Sterile V = Vial S = Summa Canister T = Tedlar Bag O = Other (please define)



Requested Turnaround Time:  
 7-Day  10-Day   
 Due Date:  
 Rush Approval Required:  
 1-Day  3-Day   
 2-Day  4-Day   
 Bank Delivery:  
 Format:  PDF  EXCEL   
 Other:  
 CIP Like Data Pkg Required:   
 Email To:  
 Fax To #:

Company Name:  
 Address:  
 Phone:  
 Project Name: CO/Way  
 Project Location:  
 Project Number:  
 Project Manager:  
 Con-Test Quote Name/Number:  
 Invoice Recipient:  
 Sampled By:

Con-Test Work Order	Client Sample ID / Description	Received Date/Time	Analysis Date/Time	Matrix Code	Preservation Code	Analysis Requested	Concentration	Conc Code
09	B-K-7 (11.5-13.5)	7/25	13:36	S	U			
10	B-K-8 (0-0.5)		13:35					
11	B-K-5 (0.5-1.5)		13:36					
12	B-K-5 (1.5-2.5)		13:37					
	B-K-5 (2.5-3.5)		13:38					
	B-K-5 (3.5-5.5)		13:39					
	B-K-5 (5.5-7.5)		13:40					
	B-K-5 (7.5-9.5)		13:41					
	B-K-5 (9.5-11.5)		13:42					
	B-K-5 (11.5-13.5)		17:42					

Handwritten: Samples w/ no checked analyses to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) Date/Time: 7/25/19  
 Received by: (signature) Date/Time: 7/25/19  
 Relinquished by: (signature) Date/Time: 7/25/19  
 Received by: (signature) Date/Time: 7/25/19  
 Relinquished by: (signature) Date/Time: 7/25/18  
 Received by: (signature) Date/Time: 7/25/18

Special Requirements:  
 MA MCP Required  
 MCP Certification Form Required  
 CI RCP Required  
 RCP Certification Form Required  
 MA State DWP Required  
 PWSID #

Project Entity:  
 Government  Municipality  MWRA  WRTA  Other  
 Federal  21 J  School  Chromatogram  
 City  Brownfield  MBTA  AIHA-LAP, LLC

PCB ONLY:  
 Soxhlet  
 Non Soxhlet





**con-test**  
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False**

Client Weston + Sampson

Received By SE Date 7/25/18 Time 1945

How were the samples received? In Cooler T No Cooler \_\_\_\_\_ On Ice T No Ice \_\_\_\_\_  
Direct from Sampling \_\_\_\_\_ Ambient \_\_\_\_\_ Melted Ice \_\_\_\_\_

Were samples within Temperature? 2-6°C T By Gun # 8 Actual Temp - 2.1, 2.4, 3.0  
By Blank # \_\_\_\_\_ Actual Temp - \_\_\_\_\_

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A  
Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T  
Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? \_\_\_\_\_

Are there Rushes? F Who was notified? \_\_\_\_\_

Are there Short Holds? F Who was notified? \_\_\_\_\_

Is there enough Volume? T

Is there Headspace where applicable? N/A

Proper Media/Containers Used? T MS/MSD? F

Were trip blanks received? F Is splitting samples required? F

Do all samples have the proper pH? N/A On COC? F Acid \_\_\_\_\_ Base \_\_\_\_\_

Vials	Containers	#	#	#
Unp-	1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-	500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-	250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-	Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-	Other Plastic		Other Glass	Encore
Thiosulfate-	SOC Kit		Plastic Bag	Frozen:
Sulfuric-	Perchlorate		Ziplock	

**Unused Media**

Vials	Containers	#	#	#
Unp-	1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-	500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-	250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-	Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-	Other Plastic		Other Glass	Encore
Thiosulfate-	SOC Kit		Plastic Bag	Frozen:
Sulfuric-	Perchlorate		Ziplock	

**Comments:**

\_\_\_\_\_

## MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Con-Test Analytical Laboratory			Project #: 18G1036		
Project Location: Conway Park., Somerville, MA			RTN:		
This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)] 18G1036-01 thru 18G1036-12					
Matrices: Soil					
<b>CAM Protocol (check all that below)</b>					
8260 VOC CAM II A ( )	7470/7471 Hg CAM IIIB ( )	MassDEP VPH CAM IV A ( )	8082 PCB CAM V A (X)	9014 Total Cyanide/PAC CAM VI A ( )	6860 Perchlorate CAM VIII B ( )
8270 SVOC CAM II B ( )	7010 Metals CAM III C ( )	MassDEP VPH CAM IV C ( )	8081 Pesticides CAM V B ( )	7196 Hex Cr CAM VI B ( )	MassDEP APH CAM IX A ( )
6010 Metals CAM III A (x)	6020 Metals CAM III D ( )	MassDEP EPH CAM IV A ( )	8151 Herbicides CAM V C ( )	8330 Explosives CAM VIII A ( )	TO-15 VOC CAM IX B ( )
<b>Affirmative response to Questions A through F is required for "Presumptive Certainty" status</b>					
<b>A</b>	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>B</b>	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>C</b>	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>D</b>	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>E a</b>	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).				<input type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>E b</b>	APH and TO-15 Methods only: Was the complete analyte list reported for each method?				<input type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>F</b>	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all No responses to Questions A through E)?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>A response to questions G, H and I below is required for "Presumptive Certainty" status</b>					
<b>G</b>	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.</b>					
<b>H</b>	Were all QC performance standards specified in the CAM protocol(s) achieved?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>
<b>I</b>	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>
<sup>1</sup> All Negative responses must be addressed in an attached Environmental Laboratory case narrative.					
<b>I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.</b>					
Signature: <u>Tod Kopyscinski</u>			Position: Laboratory Director		
Printed Name: <u>Tod E. Kopyscinski</u>			Date: <u>08/01/18</u>		

August 14, 2018

Taylor Smith  
Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960

Project Location: Conway Park., Somerville, MA  
Client Job Number:  
Project Number: [none]  
Laboratory Work Order Number: 18G1037

Enclosed are results of analyses for samples received by the laboratory on July 25, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Meghan E. Kelley". The signature is written in a cursive style with a large, sweeping flourish at the end.

Meghan E. Kelley  
Project Manager

## Table of Contents

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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 8/14/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1037

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-O-9 (3.5-5.5)	18G1037-01	Soil		-	
B-O-9 (5.5-7.5)	18G1037-02	Soil		-	
B-O-9 (7.5-9.5)	18G1037-03	Soil		-	
B-O-9 (9.5-11.5)	18G1037-04	Soil		-	
B-O-10 (3.5-5.5)	18G1037-05	Soil		-	
B-O-10 (5.5-7.5)	18G1037-06	Soil		-	
B-O-10 (7.5-9.5)	18G1037-07	Soil		-	
B-O-10 (9.5-11.5)	18G1037-08	Soil		-	
B-N-9 (5.5-7.5)	18G1037-09	Soil		-	
B-N-9 (7.5-9.5)	18G1037-10	Soil		-	
B-N-9 (9.5-11.5)	18G1037-11	Soil		-	
B-N-8 (7.5-9.7)	18G1037-14	Soil		-	
B-O-8 (11.5-13.5)	18G1037-15	Soil		-	
B-O-7 (3.5-5.5)	18G1037-16	Soil		-	
B-O-7 (5.5-7.5)	18G1037-17	Soil		-	
B-O-7 (7.5-9.5)	18G1037-18	Soil		-	
B-O-7 (9.5-11.5)	18G1037-19	Soil		-	
B-O-5 (3.5-5.5)	18G1037-20	Soil		-	
B-O-5 (5.5-7.5)	18G1037-21	Soil		-	
B-O-3 (3.5-5.5)	18G1037-22	Soil		-	
B-O-3 (5.5-7.5)	18G1037-23	Soil		-	
B-O-3 (7.5-9.5)	18G1037-24	Soil		-	
B-M-3 (3.5-5.5)	18G1037-25	Soil		-	
B-M-3 (5.5-7.5)	18G1037-26	Soil		-	
B-M-1 (3.5-5.)	18G1037-27	Soil		-	
B-M-1 (5.5-7.5)	18G1037-28	Soil		-	
B-M-5 (3.5-5.5)	18G1037-29	Soil		-	
B-M-5 (5.5-7.5)	18G1037-30	Soil		-	
B-M-7 (3.5-5.5)	18G1037-31	Soil		-	
B-M-7 (5.5-7.5)	18G1037-32	Soil		-	
B-M-7 (7.5-9.5)	18G1037-33	Soil		-	
B-M-7 (9.5-11.5)	18G1037-34	Soil		-	
B-M-7 (11.5-13.5)	18G1037-35	Soil		-	
B-M-8 (3.5-5.5)	18G1037-36	Soil		-	
B-M-8 (5.5-7.5)	18G1037-37	Soil		-	
B-M-8 (7.5-9.5)	18G1037-38	Soil		-	
B-M-8 (9.5-11.5)	18G1037-39	Soil		-	
B-M-9 (3.5-5.5)	18G1037-40	Soil		-	
B-M-9 (5.5-7.5)	18G1037-41	Soil		-	
B-M-9 (9.5-11.5)	18G1037-42	Soil		-	
B-M-10 (3.5-5.5)	18G1037-43	Soil		-	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 8/14/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1037

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-M-10 (5.5-7.5)	18G1037-44	Soil		-	
B-M-10 (7.5-9.5)	18G1037-45	Soil		-	
B-M-10 (9.5-11.5)	18G1037-46	Soil		-	
B-M-11 (3.5-5.5)	18G1037-47	Soil		-	
B-M-11 (5.5-7.5)	18G1037-48	Soil		-	
B-M-11 (7.5-9.5)	18G1037-49	Soil		-	
B-M-11 (9.5-11.5)	18G1037-50	Soil		-	
B-N-10 (3.5-5.5)	18G1037-51	Soil		-	
B-N-10 (5.5-7.5)	18G1037-52	Soil		-	
B-N-11 (7.5-9.5)	18G1037-53	Soil		-	
B-N-11 (9.5-11.5)	18G1037-54	Soil		-	
B-N-9 (3.5-5.5)	18G1037-55	Soil		-	
B-N-8 (9.5-11.5)	18G1037-56	Soil		-	
B-N-7 (7.5-9.5)	18G1037-59	Soil		-	
B-N-7 (9.5-11.5)	18G1037-60	Soil		-	
B-L-9 (3.5-5.5)	18G1037-61	Soil		-	
B-L-9 (5.5-7.5)	18G1037-62	Soil		-	
B-L-9 (7.5-9.5)	18G1037-63	Soil		-	
B-L-9 (9.5-11.5)	18G1037-64	Soil		-	
B-L-8 (2.5-3.5)	18G1037-65	Soil		SM 2540G SW-846 8082A	
B-L-8 (3.5-5.5)	18G1037-66	Soil		-	
B-L-8 (5.5-7.5)	18G1037-67	Soil		-	
B-L-8 (7.5-9.5)	18G1037-68	Soil		-	
B-L-8 (9.5-11.5)	18G1037-69	Soil		-	
B-K-11 (3.5-5.5)	18G1037-70	Soil		-	
B-K-11 (5.5-7.5)	18G1037-71	Soil		-	
B-K-11 (7.5-9.5)	18G1037-72	Soil		-	
B-K-11(9.5-11.5)	18G1037-73	Soil		-	
B-K-9 (3.5-5.5)	18G1037-74	Soil		-	
B-K-9 (5.5-7.5)	18G1037-75	Soil		-	
B-K-9 (7.5-9.5)	18G1037-76	Soil		-	
B-K-9 (9.5-11.5)	18G1037-77	Soil		-	
B-K-9 (11.5-13.5)	18G1037-78	Soil		-	
B-K-7 (7.5-9.5)	18G1037-81	Soil		-	
B-K-7 (9.5-11.5)	18G1037-82	Soil		-	
B-K-7 (11.5-13.5)	18G1037-83	Soil		-	
B-K-5 (7.5-9.5)	18G1037-86	Soil		-	
B-K-5 (9.5-11.5)	18G1037-87	Soil		-	
B-K-5 (11.5-13.5)	18G1037-88	Soil		-	
B-R-6 (7.5-9.5)	18G1037-89	Soil		-	

---

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960  
ATTN: Taylor Smith

REPORT DATE: 8/14/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

---

WORK ORDER NUMBER: 18G1037

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-S-3 (3.5-5.)	18G1037-90	Soil		-	

**CASE NARRATIVE SUMMARY**

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

**SW-846 8082A**

**Qualifications:**

**O-32**

A dilution was performed as part of the standard analytical procedure.

**Analyte & Samples(s) Qualified:**

18G1037-65[B-L-8 (2.5-3.5)]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Lisa A. Worthington", is written over a light gray rectangular background.

Lisa A. Worthington  
Project Manager

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-L-8 (2.5-3.5)

Sampled: 7/24/2018 12:45

Sample ID: 18G1037-65

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/3/18	8/8/18 12:32	KAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/3/18	8/8/18 12:32	KAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/3/18	8/8/18 12:32	KAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/3/18	8/8/18 12:32	KAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/3/18	8/8/18 12:32	KAL
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/3/18	8/8/18 12:32	KAL
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/3/18	8/8/18 12:32	KAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/3/18	8/8/18 12:32	KAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/3/18	8/8/18 12:32	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		76.7	30-150					8/8/18 12:32	
Decachlorobiphenyl [2]		81.2	30-150					8/8/18 12:32	
Tetrachloro-m-xylene [1]		79.1	30-150					8/8/18 12:32	
Tetrachloro-m-xylene [2]		75.8	30-150					8/8/18 12:32	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-L-8 (2.5-3.5)

Sampled: 7/24/2018 12:45

Sample ID: 18G1037-65

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.9		% Wt	1		SM 2540G	8/8/18	8/9/18 8:33	JBL

---

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**Sample Extraction Data**

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18G1037-65 [B-L-8 (2.5-3.5)]	B209792	08/08/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1037-65 [B-L-8 (2.5-3.5)]	B209431	10.2	10.0	08/03/18

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209431 - SW-846 3540C</b>										
<b>Blank (B209431-BLK1)</b>										
Prepared: 08/03/18 Analyzed: 08/08/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.190		mg/Kg wet	0.200		94.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.197		mg/Kg wet	0.200		98.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.165		mg/Kg wet	0.200		82.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.157		mg/Kg wet	0.200		78.5	30-150			
<b>LCS (B209431-BS1)</b>										
Prepared: 08/03/18 Analyzed: 08/08/18										
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		86.2	40-140			
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		89.2	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		81.4	40-140			
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.200		89.6	40-140			
Surrogate: Decachlorobiphenyl	0.194		mg/Kg wet	0.200		97.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.202		mg/Kg wet	0.200		101	30-150			
Surrogate: Tetrachloro-m-xylene	0.173		mg/Kg wet	0.200		86.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.164		mg/Kg wet	0.200		82.2	30-150			
<b>LCS Dup (B209431-BSD1)</b>										
Prepared: 08/03/18 Analyzed: 08/08/18										
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		81.1	40-140	6.08	30	
Aroclor-1016 [2C]	0.16	0.020	mg/Kg wet	0.200		80.5	40-140	10.3	30	
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		79.8	40-140	2.02	30	
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.200		88.4	40-140	1.30	30	
Surrogate: Decachlorobiphenyl	0.197		mg/Kg wet	0.200		98.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.206		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene	0.156		mg/Kg wet	0.200		78.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.148		mg/Kg wet	0.200		74.1	30-150			



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS

*SW-846 8082A*

Lab Sample ID:           B209431-BS1                                Date(s) Analyzed:           08/08/2018                     08/08/2018          

Instrument ID (1):           ECD5                                                Instrument ID (2):           ECD5          

GC Column (1):                                      ID:                                      (mm)                      GC Column (2):                                      ID:                                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.18	5.7
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.18	11.8

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

*SW-846 8082A*

Lab Sample ID:                   B209431-BSD1                                        Date(s) Analyzed:           08/08/2018                     08/08/2018          

Instrument ID (1):                   ECD5                                        Instrument ID (2):                   ECD5                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.16	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.18	11.8

---

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**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
O-32	A dilution was performed as part of the standard analytical procedure.

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<i>SW-846 8082A in Soil</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019



Phone: 413-525-2332  
 Fax: 413-525-6405  
 Email: info@contestlabs.com

1861037

http://www.contestlabs.com

Doc # 381 Rev 1\_03242017

CHAIN OF CUSTODY RECORD

39 Spruce Street  
 East Longmeadow, MA 01028

Company Name: Weston Sampson  
 Address: Scotchmill Dr  
 Phone: 1-800-525-6405  
 Project Name: Conway Park  
 Project Location: Somerville  
 Project Number:  
 Project Manager: Joe Sparrow  
 Con-Test Quote Name/Number:  
 Invoice Recipient: Super 5 Milk  
 Sampled By: 11

**Requested Turnaround Time**  
 7-Day  10-Day   
 Due Date: 5 day

**Rush Approval Required**  
 1-Day  3-Day   
 2-Day  4-Day

**Data Delivery**  
 Format: PDF  EXCEL   
 Other:  
 CLP Like Data Pkg Required:   
 Email To: Smitha@wscinc.com  
 Fax To #:

ANALYSIS REQUESTED

# of Containers  
 2 Preservation Code  
 3 Container Code

**Dissolved Metals Samples**  
 Field Filtered  
 Lab to Filter

**Orthophosphate Samples**  
 Field Filtered  
 Lab to Filter

Con-Test Work Order	Sample ID	Date	Time	Location	Depth	Matrix	Preservation	Container	Analysis
	B-0-9 (0-0.5)	7/24	1325			S	U	✓	✓
	B-0-9 (0.5-1.5)		1326					✓	✓
	B-0-9 (1.5-2.5)		1327					✓	✓
	B-0-9 (2.5-3.5)		1328					✓	✓
01	B-0-9 (3.5-5.5)		1329					✓	✓
02	B-0-9 (5.5-7.5)		1330					✓	✓
03	B-0-9 (7.5-9.5)		1331					✓	✓
04	B-0-9 (9.5-11.5)		1332					✓	✓
	B-0-10 (0-0.5)		1350					✓	✓
	B-0-10 (0.5-1.5)		1351					✓	✓

PCBs (Soxhlet)  
 Lead

Comments: Samples w/ no checked analyses to be held  
 Activate per attached email - MEK 8/7/2018

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) [Signature] Date/Time: 7/25 1601  
 Received by: (signature) [Signature] Date/Time: 7/25/18 1601  
 Relinquished by: (signature) [Signature] Date/Time: 7/25/18 1945  
 Received by: (signature) [Signature] Date/Time: 7/25/18 1945  
 Relinquished by: (signature) [Signature] Date/Time:  
 Received by: (signature) [Signature] Date/Time:

**Detection Limit Requirements**  
 MA  SI

**Special Requirements**  
 MA MCP Required  
 MCP Certification Form Required  
 CT RCP Required  
 RCP Certification Form Required  
 MA State DW Required

**Project Entity**  
 Government  Municipality  MWRA  WRTA  
 Federal  21 J  School  
 City  Brownfield  MBTA



**1 Matrix Codes:**  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

**2 Preservation Codes:**  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

**3 Container Codes:**  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

PCB ONLY  
 Soxhlet  
 Non Soxhlet



**Company Name:** Comcast  
**Address:**  
**Phone:**  
**Project Name:**  
**Project Location:**  
**Project Number:**  
**Project Manager:**  
**Con-Test Quote Name/Number:**  
**Invoice Recipient:**  
**Sampled By:**

Con-Test Work Order	Client Work Order	Analysis Requested	Requested Turnaround Time	Due Date	Format	Other	GLP Like Data Pkg Required	Email To	Fax To #
B-0-10 (1.S-2.S)	7/24	1352	10-Day		PDF				
B-0-10 (2.S-3.S)		1353	3-Day		EXCEL				
B-0-10 (3.S-5.S)		1354	4-Day						
B-0-10 (5.S-7.S)		1355							
B-0-10 (9.S-11.S)		1356							
B-0-10 (10.S-11.S)		1357							
B-0-11 (0.S-1.S)		1415							
B-0-11 (0.S-1.S)		1416							
B-0-11 (1.S-2.S)		1417							
B-0-11 (2.S-3.S)		1418							

**Comments:** Samples w/ no checked analyses to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

**1 Matrix Codes:**  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

**2 Preservation Codes:**  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

**3 Container Codes:**  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

**PCB ONLY**  
 Soxhlet  
 Non Soxhlet

**Special Requirements:**  
 MA MCP Required   
 MCP Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 MA State DW Required

**Detection Limit Requirements:**  
 MA   
 CT   
 Other

**Project Entity:**  
 Government  
 Federal  
 City  
 Municipality  
 21 J  
 Brownfield  
 MMRA  
 School  
 MBTA  
 WRTA  
 Chromatogram  
 AIHA-LAP, LLC

**con-test ANALYTICAL LABORATORY**  
 www.contestlabs.com

**Relinquished by (signature):** [Signature]  
 Date/Time: 7/25/18  
**Received by (signature):** [Signature]  
 Date/Time: 7/25/18  
**Relinquished by (signature):** [Signature]  
 Date/Time: 7/25/18  
**Received by (signature):** [Signature]  
 Date/Time: 7/25/18  
**Relinquished by (signature):** [Signature]  
 Date/Time: 7/25/18  
**Received by (signature):** [Signature]  
 Date/Time: 7/25/18

186-1037  
 Phone: 413-525-2332  
 Fax: 413-525-6405  
 Email: info@contestlabs.com

Doc # 381 Rev 1\_03242017

39 Spruce Street  
 East Longmeadow, MA 01028

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Company Name: **CONAG**  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Project Name: \_\_\_\_\_  
 Project Location: \_\_\_\_\_  
 Project Number: \_\_\_\_\_  
 Project Manager: \_\_\_\_\_  
 Con-Test Quote Name/Number: \_\_\_\_\_  
 Invoice Recipient: \_\_\_\_\_  
 Sampled By: \_\_\_\_\_

Con-Test Work Order #	Client Sample ID	Analysis Requested	Requested Turnaround Time	Due Date	7-Day	10-Day	1-Day	3-Day	2-Day	4-Day	Format: PDF	EXCEL	Other:	CLP Like Data Pkg Required:	Email To:	Fax To #:
09	B-N-9 (S.S. 7.5)	S	7/25	11:35	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
10	B-N-9 (7.5-9.5)	S		11:36	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
11	B-N-9 (9.5-11.5)	S		11:37	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
12	B-N-8 (0-0.5)	S		11:50	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
13	B-N-8 (0.5-1.5)	S		11:51	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
14	B-N-8 (1.5-2.5)	S		11:52	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
15	B-N-8 (2.5-3.5)	S		11:53	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
16	B-N-8 (3.5-5.5)	S		11:54	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
17	B-N-8 (5.5-7.5)	S		11:55	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
18	B-N-8 (7.5-9.5)	S		11:56	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				

Comments: **Samples w/ no analyses checked to be held**

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished By: (signature) \_\_\_\_\_ Date/Time: 7/25/18  
 Received By: (signature) \_\_\_\_\_ Date/Time: 7/25/18  
 Relinquished By: (signature) \_\_\_\_\_ Date/Time: 7/25/18  
 Received By: (signature) \_\_\_\_\_ Date/Time: 7/25/18  
 Relinquished By: (signature) \_\_\_\_\_ Date/Time: 7/25/18  
 Received By: (signature) \_\_\_\_\_ Date/Time: 7/25/18

Special Requirements: MA MCP Required  MA State DW Required   
 MCP Certification Form Required  CT RCP Required   
 RCP Certification Form Required

Project Entity:  Government  Municipality  WRTA  Other   
 Federal  21 J  School  Chromatogram   
 City  Brownfield  MBTA  AIHA-LAP, LLC

PCB ONLY:  Soxhlet  Non Soxhlet











1861037  
 Phone: 413-525-2332  
 Fax: 413-525-6405  
 Email: info@contestlabs.com



Company Name: MEK  
 Address: [Redacted]  
 Phone: [Redacted]  
 Project Name: Berney  
 Project Location: [Redacted]  
 Project Number: [Redacted]  
 Project Manager: [Redacted]  
 Con-Test Quote Name/Number: [Redacted]  
 Invoice Recipient: [Redacted]  
 Sampled By: [Redacted]

Con-Test Work Order	Chem. Sample ID/Description	Request Date	Analysis Requested	Special Requirements	MA MCP Required	MCP Certification Form Required	CT RCP Required	RCP Certification Form Required	MA State DWR Required	PWSID #
25	B-M-3 (1.S-2.S)	7/25	8:47	✓						
26	B-M-3 (2.S-3.S)		8:48	✓						
	B-M-3 (3.S-5.S)		8:49	✓						
	B-M-3 (5.S-7.S)		8:50	✓						
	B-M-2 (8-0.S)		9:20	✓						
	B-M-1 (0.S-1.S)		9:21	✓						
	B-M-2 (1.S-2.S)		9:22	✓						
	B-M-1 (2.S-3.S)		9:23	✓						
	B-M-1 (3.S-5.S)		9:24	✓						
	B-M-2 (5.S-7.S)		9:25	✓						

Comments: Samples w/ no checked analyses to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) [Signature] Date/Time: 7/25/18 11:50  
 Received by: (signature) [Signature] Date/Time: 7/25/18 16:03  
 Relinquished by: (signature) [Signature] Date/Time: 7/25/18 19:43  
 Received by: (signature) [Signature] Date/Time: 7/25/18 19:45  
 Relinquished by: (signature) [Signature] Date/Time: 7/25/18 19:45  
 Received by: (signature) [Signature] Date/Time: 7/25/18 19:45

Project Entity:  Government  Municipality  WRTA  Other  
 Federal  21 J  School  Chromatogram  
 City  Brownfield  MBTA  AIHA-LAP, LLC

PCB ONLY:  Soxhlet  Non Soxhlet



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 Email: info@contestlabs.com

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39 Spruce Street  
 East Longmeadow, MA 01028

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Company Name: Conway  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Project Name: \_\_\_\_\_  
 Project Location: \_\_\_\_\_  
 Project Number: \_\_\_\_\_  
 Project Manager: \_\_\_\_\_  
 Con-Test Quote Name/Number: \_\_\_\_\_  
 Invoice Recipient: \_\_\_\_\_  
 Sampled By: \_\_\_\_\_

Requested Turnaround Time:  
 7-Day  10-Day   
 Due Date: \_\_\_\_\_

Rush Approval Requested:  
 1-Day  3-Day   
 2-Day  4-Day   
 Data Delivery:  
 Format: PDF  EXCEL   
 Other: \_\_\_\_\_  
 CLP Like Data Pkg Required:   
 Email To: \_\_\_\_\_  
 Fax To #: \_\_\_\_\_

Chain Name of Project	Time	Matrix Code	Preservation Code	Container Code	Analysis Requested
B-M-S (0-0.5)	7:25	GW	I	Field Filtered	
B-M-S (0.5-1.5)	9:36	GW	I	Field Filtered	
B-M-S (1.5-2.5)	9:37	GW	I	Field Filtered	
B-M-S (2.5-3.5)	9:38	GW	I	Field Filtered	
B-M-S (3.5-5.5)	9:39	GW	I	Field Filtered	
B-M-S (5.5-7.5)	9:40	GW	I	Field Filtered	
B-M-7 (0-0.5)	8:50	GW	I	Field Filtered	
B-M-7 (0.5-1.5)	8:51	GW	I	Field Filtered	
B-M-7 (1.5-2.5)	8:52	GW	I	Field Filtered	
B-M-7 (2.5-3.5)	8:53	GW	I	Field Filtered	

Comments: Samples w/ no inched analyses

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/25/18 1600  
 Received by: (signature) \_\_\_\_\_ Date/Time: 7/25/18 1600  
 Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/25/18 1845  
 Received by: (signature) \_\_\_\_\_ Date/Time: 7/25/18 1945  
 Relinquished by: (signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Received by: (signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Special Requirements:  
 MA MCP Required   
 MCP Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 MA State DW Required   
 PWSID # \_\_\_\_\_

Project Entity:  
 Government  Municipality  MWRA  Other   
 Federal  21 J  School   
 City  Brownfield  MBTA   
 WRTA  Chromatogram   
 AIHA-LAP, LLC  Non SoxHet

PCB ONLY:  
 SoxHet  
 Non SoxHet

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**Requested Turnaround Time**  
 7-Day  10-Day

**Due Date:**

**Rush Approval Required:**  
 1-Day  3-Day   
 2-Day  4-Day

**Data Delivery:**  
 Format: PDF  EXCEL   
 Other:

CLP Like Data Pkg Required:

Email To:

Fax To #:

**Company Name:** Conway

**Project Name:** Conway

**Project Location:**

**Project Number:**

**Project Manager:**

**Con-Test Quote Name/Number:**

**Invoice Recipient:**

**Sampled By:**

Con-Test Work Order #	Date/Time	Analysis Requested	Field Filtered	Lab to Filter	Matrix Codes	Preservation Codes	Container Codes
B-N-10 (2.5-3.5)	7/25 11:23				GW = Ground Water WW = Waste Water DW = Drinking Water A = Air S = Soil SL = Sludge SOL = Solid O = Other (please define)	I = Iced H = HCL M = Methanol N = Nitric Acid S = Sulfuric Acid B = Sodium Bisulfate X = Sodium Hydroxide T = Sodium Thiosulfate O = Other (please define)	A = Amber Glass G = Glass P = Plastic ST = Sterile V = Vial S = Summa Canister T = Tedlar Bag O = Other (please define)
B-N-10 (3.5-5.5)	7/25 11:24						
B-N-10 (5.5-7.5)	7/25 11:25						
B-N-11 (2.5-4.5)	7/25 11:26						
B-N-11 (4.5-11.5)	7/25 11:27						
B-N-9 (0-0.5)	7/25 11:30						
B-N-9 (0.5-1.5)	7/25 11:31						
B-N-9 (1.5-2.5)	7/25 11:32						
B-N-9 (2.5-3.5)	7/25 11:33						
B-N-9 (3.5-5.5)	7/25 11:34						

Samples w/ no checked analyses to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

**Relinquished by: (signature)** [Signature] Date/Time: 7/25 1600

**Received by: (signature)** [Signature] Date/Time: 7/25 1600

**Relinquished by: (signature)** [Signature] Date/Time: 7/25/18 1945

**Received by: (signature)** [Signature] Date/Time: 7/25/18 1945

**Relinquished by: (signature)** [Signature] Date/Time: 2.24.3.0

**Received by: (signature)** [Signature] Date/Time: 2.24.3.0

**Relinquished by: (signature)** [Signature] Date/Time: 2.24.3.0

**Received by: (signature)** [Signature] Date/Time: 2.24.3.0

**Special Requirements:**  
 MA MCP Required   
 MCP Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 MA State DW Required

**Detection Limit Requirements:**  
 MA   
 CT   
 Other

**PWSID #**

**Project Entity:**  
 Government  Municipality  WRTA   
 Federal  21 J  School   
 City  Brownfield  MBTA   
 Other  Chromatogram  AIHA-LAP, LLC





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East Longmeadow, MA 01028

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Company Name: **MEK**  
 Address: **COAWING**  
 Phone:   
 Project Name:   
 Project Location:   
 Project Number:   
 Project Manager:   
 Con-Test Quote Name/Number:   
 Invoice Recipient:   
 Sampled By:   
 Requested Turnaround Time:   
 Due Date:   
 Rush Approval Required:   
 Data Delivery:   
 Format: PDF  EXCEL   
 Other:   
 CLP Like Data Required:   
 Email To:   
 Fax To #:

Con-Test Work Order	Client Sample ID	Sample Date	Sample Time	Analysis Requested
56	B-N-8 (A.S-11.5)	7/25	11:57	S D
57	B-N-7 (0.0-0.5)		12:00	
58	B-N-7 (1.5-2.5)		12:07	
59	B-N-7 (2.5-3.5)		12:08	
60	B-N-7 (3.5-5.5)		12:09	
	B-N-7 (5.5-7.5)		12:10	
	B-N-7 (7.5-9.5)		12:11	
	B-N-7 (9.5-11.5)		12:12	
	B-L-9 (0-0.5)		12:13	
			12:20	

Comments: *Samples w/ no analyses checked to be held*

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) *[Signature]* Date/Time: 7/25/07  
 Received by: (signature) *[Signature]* Date/Time: 7/25/07  
 Relinquished by: (signature) *[Signature]* Date/Time: 7/25/07  
 Received by: (signature) *[Signature]* Date/Time: 7/25/07  
 Relinquished by: (signature) *[Signature]* Date/Time: 7/25/07  
 Received by: (signature) *[Signature]* Date/Time: 7/25/07

Special Requirements:   
 MA MCP Required   
 MCP Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 MA State DOR Required   
 FWSID #

Project Entity:   
 Government  Municipality  WRTA  Other   
 Federal  21 J  School  Chromatogram   
 City  Braintree  MBTA  AHA-LAP, LLC

1 Matrix Codes:  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

2 Preservation Codes:  
 I = Ice  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

3 Container Codes:  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

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 Soxhlet   
 Non Soxhlet

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Company Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Project Name: Conting  
Project Location: \_\_\_\_\_  
Project Number: \_\_\_\_\_  
Project Manager: \_\_\_\_\_  
Con-Test Quote Name/Number: \_\_\_\_\_  
Invoice Recipient: \_\_\_\_\_  
Sampled By: \_\_\_\_\_

Con-Test Work Order	Client Sample Description	Concentration	Matrix	Analysis Requested	Matrix Codes	Preservation Codes	Container Codes
61	B-L-9 (0.5-1.5)	7ps	S	Field Filtered	GW = Ground Water WW = Waste Water DW = Drinking Water A = Air S = Soil SL = Sludge SOL = Solid O = Other (please define)	1 = Iced H = HCL M = Methanol N = Nitric Acid S = Sulfuric Acid B = Sodium Bisulfate X = Sodium Hydroxide T = Sodium Thiosulfate O = Other (please define)	A = Amber Glass G = Glass P = Plastic ST = Sterile V = Vial S = Summa Canister T = Tedlar Bag O = Other (please define)
62	B-L-9 (1.5-2.5)	7ps	S	Field Filtered			
63	B-L-9 (2.5-3.5)	7ps	S	Field Filtered			
64	B-L-9 (3.5-5.5)	7ps	S	Field Filtered			
65	B-L-9 (5.5-7.5)	7ps	S	Field Filtered			
66	B-L-9 (7.5-9.5)	7ps	S	Field Filtered			
67	B-L-9 (9.5-11.5)	7ps	S	Field Filtered			
68	B-L-8 (0-0.5)	7ps	S	Field Filtered			
69	B-L-8 (0.5-1.5)	7ps	S	Field Filtered			
70	B-L-8 (1.5-2.5)	7ps	S	Field Filtered			

Comments: Samples w/ no analytes checked to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Special Requirements:  
MA MCP Required   
MCP Certification Form Required   
CT RCP Required   
RCP Certification Form Required   
MA State DW Required   
PWSD # \_\_\_\_\_

Project Entity:  
Government  Municipality  WRTA   
Federal  21 J  School   
City  Brownfield  MBTA

PCB ONLY:  
 Soxhlet  
 Non Soxhlet

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MEK

Company Name: MEK  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Project Name: COALWAY  
 Project Location: \_\_\_\_\_  
 Project Number: \_\_\_\_\_  
 Project Manager: \_\_\_\_\_  
 Con-Test Quote Name/Number: \_\_\_\_\_  
 Invoice Recipient: \_\_\_\_\_  
 Sampled By: \_\_\_\_\_

Con-Test Work Order #	Client Sample ID	Matrix	Preservation Code	Container Code	Analysis Requested	Field Filtered	Lab to Filter
83	B-K-7 (11S-13S)	S					
	B-K-8 (0-0-S)	S					
	B-K-5 (0.5-1S)	S					
	B-K-5 (1.5-2S)	S					
	B-K-5 (2.5-3.5)	S					
	B-K-5 (3.5-5S)	S					
	B-K-5 (5.5-7.5)	S					
	B-K-5 (7.5-9.5)	S					
	B-K-5 (9.5-11.5)	S					
	B-K-5 (11.5-13.5)	S					

Comments: Samples w/ no checked analyses to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Reinquired by: (signature) \_\_\_\_\_ Date/Time: 7/25/18  
 Received by: (signature) \_\_\_\_\_ Date/Time: 7/25/18  
 Reinquired by: (signature) \_\_\_\_\_ Date/Time: 7/25/18  
 Received by: (signature) \_\_\_\_\_ Date/Time: 7/25/18  
 Reinquired by: (signature) \_\_\_\_\_ Date/Time: 7/25/18  
 Received by: (signature) \_\_\_\_\_ Date/Time: 7/25/18

Special Requirements: \_\_\_\_\_  
 Detection Limit Requirements: \_\_\_\_\_  
 MA MCP Required:   
 MCP Certification Form Required:   
 CT RCP Required:   
 RCP Certification Form Required:   
 MA State DWI Required:   
 PWSID # \_\_\_\_\_

Project Entry: \_\_\_\_\_  
 Government:  Municipality:  MWRA:  Other:   
 Federal:  City:  21 J:  School:  WRTA:   
 City:  Brownfield:  MBTA:  AHA-LAP, LLC:

186-1037

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Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False**

Client Weston + Sampson  
 Received By SE Date 7/25/18 Time 1945  
 How were the samples received? In Cooler T No Cooler \_\_\_\_\_ On Ice T No Ice \_\_\_\_\_  
 Direct from Sampling \_\_\_\_\_ Ambient \_\_\_\_\_ Melted Ice \_\_\_\_\_  
 Were samples within Temperature? 2-6°C T By Gun # 8 Actual Temp - 2.1, 2.4, 3.0  
 By Blank # \_\_\_\_\_ Actual Temp - \_\_\_\_\_  
 Was Custody Seal Intact? N/A Were Samples Tampered with? N/A  
 Was COC Relinquished? T Does Chain Agree With Samples? FFX SE 7/25/18  
 Are there broken/leaking/loose caps on any samples? F  
 Is COC in ink/ Legible? T Were samples received within holding time? T  
 Did COC include all pertinent Information? Client T Analysis T Sampler Name T  
 Project T ID's T Collection Dates/Times T  
 Are Sample labels filled out and legible? T  
 Are there Lab to Filters? F Who was notified? \_\_\_\_\_  
 Are there Rushes? F Who was notified? \_\_\_\_\_  
 Are there Short Holds? F Who was notified? \_\_\_\_\_  
 Is there enough Volume? T  
 Is there Headspace where applicable? N/A MS/MSD? F  
 Proper Media/Containers Used? T Is splitting samples required? F  
 Were trip blanks received? F On COC? F  
 Do all samples have the proper pH? N/A Acid \_\_\_\_\_ Base \_\_\_\_\_

Viols	Containers	#	#	#	#
Unp-	1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-	500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-	250 mL Amb.		250 mL Plastic		4oz Amb/Clear <u>88</u>
Bisulfate-	Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-	Other Plastic		Other Glass		Encore
Thiosulfate-	SOC Kit		Plastic Bag		Frozen:
Sulfuric-	Perchlorate		Ziplock		

**Unused Media**

Viols	Containers	#	#	#	#
Unp-	1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-	500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-	250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-	Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-	Other Plastic		Other Glass		Encore
Thiosulfate-	SOC Kit		Plastic Bag		Frozen:
Sulfuric-	Perchlorate		Ziplock		

**Comments:**

\* Samples #53 + 54, labels don't match COC.  
 -53 "B-N-11(7.5-9.5)" on COC, "B-N-10(7.5-9.5)" on sample.  
 -54 "B-N-11(9.5-11.5)" on COC, "B-N-10(9.5-11.5)" on sample. Matched by times + missing containers.

**Meghan Kelley**

---

**From:** Smith, Taylor  
**Sent:** Tuesday, August 07, 2018 10:26 AM  
**To:** Meghan Kelley  
**Cc:** Spencer, Joseph  
**Subject:** Releasing samples

Meghan-

Can you release the following samples for PCB analysis:

WO#: 18G1035  
B-L-8 (2.5-3.5)

WO#: 18G1206  
B-C-2 (3.5-5.5)  
B-C-2 (5.5-7.5)  
B-D-2 (3.5-5.5)  
B-D-2 (5.5-7.5)  
B-D-3 (3.5-5.5)  
B-D-3 (5.5-7.5)  
B-D-4 (3.5-5.5)  
B-D-4 (5.5-7.5)  
B-D-5 (3.5-5.5)  
B-D-5 (5.5-7.5)

WO#: 18G1207  
B-C.5-4 (3.5-5.5)  
B-C.5-4 (5.5-7.5)  
B-B-4 (3.5-5.5)  
B-B-4 (5.5-7.5)  
B-B-5 (3.5-5.5)  
B-B-5 (5.5-7.5)

WO#: 18G1205  
B-C-4.5 (3.5-5.5)  
B-C-4.5 (5.5-7.5)  
B-C-4 (3.5-5.5)  
B-C-4 (5.5-7.5)  
B-C-3.5 (3.5-5.5)  
B-C-3.5 (5.5-7.5)  
B-C-3 (3.5-5.5)  
B-C-3 (5.5-7.5)  
B-C-2 (3.5-5.5)  
B-C-2 (5.5-7.5)

WO#: 18G1204  
B-C-5 (3.5-5.5)  
B-C-5 (5.5-7.5)



Let me know if you have any questions and thanks!

**Taylor Smith**

ENVIRONMENTAL SCIENTIST  
direct: 978-977-0110 x2222  
cell: 978-854-2413



Weston & Sampson  
5 Centennial Drive | Peabody, MA 01960 (HQ)  
tel: 978-532-1900  
westonandsampson.com

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September 4, 2018

Taylor Smith  
Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960

Project Location: Conway Park., Somerville, MA  
Client Job Number:  
Project Number: [none]  
Laboratory Work Order Number: 18G1037

Enclosed are results of analyses for samples received by the laboratory on July 25, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Meghan E. Kelley". The signature is written in a cursive style with a large, sweeping flourish at the end.

Meghan E. Kelley  
Project Manager

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Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 9/4/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1037

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-O-9 (3.5-5.5)	18G1037-01	Soil		SM 2540G SW-846 8082A	
B-O-9 (5.5-7.5)	18G1037-02	Soil		SM 2540G SW-846 8082A	
B-O-9 (7.5-9.5)	18G1037-03	Soil		SM 2540G SW-846 8082A	
B-O-9 (9.5-11.5)	18G1037-04	Soil		SM 2540G SW-846 8082A	
B-O-10 (3.5-5.5)	18G1037-05	Soil		SM 2540G SW-846 8082A	
B-O-10 (5.5-7.5)	18G1037-06	Soil		SM 2540G SW-846 8082A	
B-O-10 (7.5-9.5)	18G1037-07	Soil		SM 2540G SW-846 8082A	
B-O-10 (9.5-11.5)	18G1037-08	Soil		SM 2540G SW-846 8082A	
B-N-9 (5.5-7.5)	18G1037-09	Soil		SM 2540G SW-846 8082A	
B-N-9 (7.5-9.5)	18G1037-10	Soil		SM 2540G SW-846 8082A	
B-N-9 (9.5-11.5)	18G1037-11	Soil		SM 2540G SW-846 8082A	
B-N-8 (7.5-9.7)	18G1037-14	Soil		SM 2540G SW-846 8082A	
B-O-8 (11.5-13.5)	18G1037-15	Soil		SM 2540G SW-846 8082A	
B-O-7 (3.5-5.5)	18G1037-16	Soil		SW-846 8082A	
B-O-7 (5.5-7.5)	18G1037-17	Soil		SM 2540G SW-846 8082A	
B-O-7 (7.5-9.5)	18G1037-18	Soil		SM 2540G SW-846 8082A	
B-O-7 (9.5-11.5)	18G1037-19	Soil		SM 2540G SW-846 8082A	
B-O-5 (3.5-5.5)	18G1037-20	Soil		SM 2540G SW-846 8082A	
B-O-5 (5.5-7.5)	18G1037-21	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-O-3 (3.5-5.5)	18G1037-22	Soil		SM 2540G SW-846 8082A	



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REPORT DATE: 9/4/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1037

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-O-3 (5.5-7.5)	18G1037-23	Soil		SM 2540G SW-846 8082A	
B-O-3 (7.5-9.5)	18G1037-24	Soil		SM 2540G SW-846 8082A	
B-M-3 (3.5-5.5)	18G1037-25	Soil		SM 2540G SW-846 8082A	
B-M-3 (5.5-7.5)	18G1037-26	Soil		SM 2540G SW-846 8082A	
B-M-1 (3.5-5.)	18G1037-27	Soil		SM 2540G SW-846 8082A	
B-M-1 (5.5-7.5)	18G1037-28	Soil		SM 2540G SW-846 8082A	
B-M-5 (3.5-5.5)	18G1037-29	Soil		SM 2540G SW-846 8082A	
B-M-5 (5.5-7.5)	18G1037-30	Soil		SM 2540G SW-846 8082A	
B-M-7 (3.5-5.5)	18G1037-31	Soil		SM 2540G SW-846 8082A	
B-M-7 (5.5-7.5)	18G1037-32	Soil		SM 2540G SW-846 8082A	
B-M-7 (7.5-9.5)	18G1037-33	Soil		SM 2540G SW-846 8082A	
B-M-7 (9.5-11.5)	18G1037-34	Soil		SM 2540G SW-846 8082A	
B-M-7 (11.5-13.5)	18G1037-35	Soil		SM 2540G SW-846 8082A	
B-M-8 (3.5-5.5)	18G1037-36	Soil		SW-846 8082A	
B-M-8 (5.5-7.5)	18G1037-37	Soil		SM 2540G SW-846 8082A	
B-M-8 (7.5-9.5)	18G1037-38	Soil		SM 2540G SW-846 8082A	
B-M-8 (9.5-11.5)	18G1037-39	Soil		SM 2540G SW-846 8082A	
B-M-9 (3.5-5.5)	18G1037-40	Soil		SM 2540G SW-846 8082A	
B-M-9 (5.5-7.5)	18G1037-41	Soil		SM 2540G SW-846 8082A	
B-M-9 (9.5-11.5)	18G1037-42	Soil		SM 2540G SW-846 8082A	
B-M-10 (3.5-5.5)	18G1037-43	Soil		SM 2540G SW-846 8082A	

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 ATTN: Taylor Smith

REPORT DATE: 9/4/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1037

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-M-10 (5.5-7.5)	18G1037-44	Soil		SM 2540G SW-846 8082A	
B-M-10 (7.5-9.5)	18G1037-45	Soil		SM 2540G SW-846 8082A	
B-M-10 (9.5-11.5)	18G1037-46	Soil		SM 2540G SW-846 8082A	
B-M-11 (3.5-5.5)	18G1037-47	Soil		SM 2540G SW-846 8082A	
B-M-11 (5.5-7.5)	18G1037-48	Soil		SM 2540G SW-846 8082A	
B-M-11 (7.5-9.5)	18G1037-49	Soil		SM 2540G SW-846 8082A	
B-M-11 (9.5-11.5)	18G1037-50	Soil		SM 2540G SW-846 8082A	
B-N-10 (3.5-5.5)	18G1037-51	Soil		SM 2540G SW-846 8082A	
B-N-10 (5.5-7.5)	18G1037-52	Soil		SM 2540G SW-846 8082A	
B-N-11 (7.5-9.5)	18G1037-53	Soil		SM 2540G SW-846 8082A	
B-N-11 (9.5-11.5)	18G1037-54	Soil		SM 2540G SW-846 8082A	
B-N-9 (3.5-5.5)	18G1037-55	Soil		SM 2540G SW-846 8082A	
B-N-8 (9.5-11.5)	18G1037-56	Soil		SM 2540G SW-846 8082A	
B-N-7 (7.5-9.5)	18G1037-59	Soil		SM 2540G SW-846 8082A	
B-N-7 (9.5-11.5)	18G1037-60	Soil		SM 2540G SW-846 8082A	
B-L-9 (3.5-5.5)	18G1037-61	Soil		SM 2540G SW-846 8082A	
B-L-9 (5.5-7.5)	18G1037-62	Soil		SM 2540G SW-846 8082A	
B-L-9 (7.5-9.5)	18G1037-63	Soil		SM 2540G SW-846 8082A	
B-L-9 (9.5-11.5)	18G1037-64	Soil		SM 2540G SW-846 8082A	
B-L-8 (2.5-3.5)	18G1037-65	Soil		SM 2540G SW-846 8082A	

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REPORT DATE: 9/4/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1037

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-L-8 (3.5-5.5)	18G1037-66	Soil		SM 2540G SW-846 8082A	
B-L-8 (5.5-7.5)	18G1037-67	Soil		SM 2540G SW-846 8082A	
B-L-8 (7.5-9.5)	18G1037-68	Soil		SM 2540G SW-846 8082A	
B-L-8 (9.5-11.5)	18G1037-69	Soil		SM 2540G SW-846 8082A	
B-K-11 (3.5-5.5)	18G1037-70	Soil		SM 2540G SW-846 8082A	
B-K-11 (5.5-7.5)	18G1037-71	Soil		SM 2540G SW-846 8082A	
B-K-11 (7.5-9.5)	18G1037-72	Soil		SM 2540G SW-846 8082A	
B-K-11(9.5-11.5)	18G1037-73	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-K-9 (3.5-5.5)	18G1037-74	Soil		SM 2540G SW-846 8082A	
B-K-9 (5.5-7.5)	18G1037-75	Soil		SM 2540G SW-846 8082A	
B-K-9 (7.5-9.5)	18G1037-76	Soil		SM 2540G SW-846 8082A	
B-K-9 (9.5-11.5)	18G1037-77	Soil		SM 2540G SW-846 8082A	
B-K-9 (11.5-13.5)	18G1037-78	Soil		SW-846 8082A	
B-K-7 (7.5-9.5)	18G1037-81	Soil		SM 2540G SW-846 8082A	
B-K-7 (9.5-11.5)	18G1037-82	Soil		SM 2540G SW-846 8082A	
B-K-7 (11.5-13.5)	18G1037-83	Soil		SM 2540G SW-846 8082A	
B-K-5 (7.5-9.5)	18G1037-86	Soil		SM 2540G SW-846 8082A	
B-K-5 (9.5-11.5)	18G1037-87	Soil		SM 2540G SW-846 8082A	
B-K-5 (11.5-13.5)	18G1037-88	Soil		SM 2540G SW-846 8082A	
B-R-6 (7.5-9.5)	18G1037-89	Soil		-	
B-S-3 (3.5-5.)	18G1037-90	Soil		-	

## CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082A

**Qualifications:**

O-32

A dilution was performed as part of the standard analytical procedure.

**Analyte & Samples(s) Qualified:**

18G1037-01[B-O-9 (3.5-5.5)], 18G1037-02[B-O-9 (5.5-7.5)], 18G1037-03[B-O-9 (7.5-9.5)], 18G1037-04[B-O-9 (9.5-11.5)], 18G1037-05[B-O-10 (3.5-5.5)], 18G1037-06[B-O-10 (5.5-7.5)], 18G1037-07[B-O-10 (7.5-9.5)], 18G1037-08[B-O-10 (9.5-11.5)], 18G1037-09[B-N-9 (5.5-7.5)], 18G1037-11[B-N-9 (9.5-11.5)], 18G1037-14[B-N-8 (7.5-9.7)], 18G1037-15[B-O-8 (11.5-13.5)], 18G1037-16[B-O-7 (3.5-5.5)], 18G1037-17[B-O-7 (5.5-7.5)], 18G1037-18[B-O-7 (7.5-9.5)], 18G1037-19[B-O-7 (9.5-11.5)], 18G1037-20[B-O-5 (3.5-5.5)], 18G1037-21[B-O-5 (5.5-7.5)], 18G1037-23[B-O-3 (5.5-7.5)], 18G1037-24[B-O-3 (7.5-9.5)], 18G1037-25[B-M-3 (3.5-5.5)], 18G1037-27[B-M-1 (3.5-5.5)], 18G1037-28[B-M-1 (5.5-7.5)], 18G1037-29[B-M-5 (3.5-5.5)], 18G1037-30[B-M-5 (5.5-7.5)], 18G1037-31[B-M-7 (3.5-5.5)], 18G1037-32[B-M-7 (5.5-7.5)], 18G1037-33[B-M-7 (7.5-9.5)], 18G1037-34[B-M-7 (9.5-11.5)], 18G1037-35[B-M-7 (11.5-13.5)], 18G1037-36[B-M-8 (3.5-5.5)], 18G1037-37[B-M-8 (5.5-7.5)], 18G1037-38[B-M-8 (7.5-9.5)], 18G1037-39[B-M-8 (9.5-11.5)], 18G1037-40[B-M-9 (3.5-5.5)], 18G1037-41[B-M-9 (5.5-7.5)], 18G1037-42[B-M-9 (9.5-11.5)], 18G1037-44[B-M-10 (5.5-7.5)], 18G1037-45[B-M-10 (7.5-9.5)], 18G1037-46[B-M-10 (9.5-11.5)], 18G1037-48[B-M-11 (5.5-7.5)], 18G1037-49[B-M-11 (7.5-9.5)], 18G1037-50[B-M-11 (9.5-11.5)], 18G1037-51[B-N-10 (3.5-5.5)], 18G1037-53[B-N-11 (7.5-9.5)], 18G1037-54[B-N-11 (9.5-11.5)], 18G1037-55[B-N-9 (3.5-5.5)], 18G1037-56[B-N-8 (9.5-11.5)], 18G1037-59[B-N-7 (7.5-9.5)], 18G1037-60[B-N-7 (9.5-11.5)], 18G1037-62[B-L-9 (5.5-7.5)], 18G1037-63[B-L-9 (7.5-9.5)], 18G1037-64[B-L-9 (9.5-11.5)], 18G1037-65[B-L-8 (2.5-3.5)], 18G1037-66[B-L-8 (3.5-5.5)], 18G1037-67[B-L-8 (5.5-7.5)], 18G1037-68[B-L-8 (7.5-9.5)], 18G1037-69[B-L-8 (9.5-11.5)], 18G1037-70[B-K-11 (3.5-5.5)], 18G1037-71[B-K-11 (5.5-7.5)], 18G1037-72[B-K-11 (7.5-9.5)], 18G1037-73[B-K-11(9.5-11.5)], 18G1037-74[B-K-9 (3.5-5.5)], 18G1037-76[B-K-9 (7.5-9.5)], 18G1037-77[B-K-9 (9.5-11.5)], 18G1037-78[B-K-9 (11.5-13.5)], 18G1037-81[B-K-7 (7.5-9.5)], 18G1037-82[B-K-7 (9.5-11.5)], 18G1037-83[B-K-7 (11.5-13.5)], 18G1037-86[B-K-5 (7.5-9.5)], 18G1037-88[B-K-5 (11.5-13.5)]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington  
Project Manager

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-O-9 (3.5-5.5)

Sampled: 7/24/2018 13:29

Sample ID: 18G1037-01

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 16:23	KAL
Aroclor-1221 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 16:23	KAL
Aroclor-1232 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 16:23	KAL
Aroclor-1242 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 16:23	KAL
Aroclor-1248 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 16:23	KAL
Aroclor-1254 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 16:23	KAL
Aroclor-1260 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 16:23	KAL
Aroclor-1262 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 16:23	KAL
Aroclor-1268 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 16:23	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		104	30-150					8/27/18 16:23	
Decachlorobiphenyl [2]		108	30-150					8/27/18 16:23	
Tetrachloro-m-xylene [1]		96.1	30-150					8/27/18 16:23	
Tetrachloro-m-xylene [2]		101	30-150					8/27/18 16:23	

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-O-9 (3.5-5.5)

Sampled: 7/24/2018 13:29

Sample ID: 18G1037-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.8		% Wt	1		SM 2540G	8/30/18	8/31/18 10:37	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-O-9 (5.5-7.5)

Sampled: 7/24/2018 13:30

Sample ID: 18G1037-02

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 16:40	KAL
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 16:40	KAL
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 16:40	KAL
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 16:40	KAL
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 16:40	KAL
Aroclor-1254 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 16:40	KAL
Aroclor-1260 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 16:40	KAL
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 16:40	KAL
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 16:40	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		97.3	30-150					8/27/18 16:40	
Decachlorobiphenyl [2]		99.6	30-150					8/27/18 16:40	
Tetrachloro-m-xylene [1]		92.1	30-150					8/27/18 16:40	
Tetrachloro-m-xylene [2]		93.9	30-150					8/27/18 16:40	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-O-9 (5.5-7.5)

Sampled: 7/24/2018 13:30

Sample ID: 18G1037-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	97.8		% Wt	1		SM 2540G	8/30/18	8/31/18 10:37	MJR



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-O-9 (7.5-9.5)

Sampled: 7/24/2018 13:31

Sample ID: 18G1037-03

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 16:57	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 16:57	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 16:57	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 16:57	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 16:57	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 16:57	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 16:57	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 16:57	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 16:57	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		77.2	30-150					8/27/18 16:57	
Decachlorobiphenyl [2]		95.4	30-150					8/27/18 16:57	
Tetrachloro-m-xylene [1]		87.3	30-150					8/27/18 16:57	
Tetrachloro-m-xylene [2]		89.7	30-150					8/27/18 16:57	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-O-9 (7.5-9.5)

Sampled: 7/24/2018 13:31

Sample ID: 18G1037-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	72.5		% Wt	1		SM 2540G	8/30/18	8/31/18 10:37	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-O-9 (9.5-11.5)

Sampled: 7/24/2018 13:32

Sample ID: 18G1037-04

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 18:01	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 18:01	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 18:01	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 18:01	KAL
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 18:01	KAL
Aroclor-1254 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 18:01	KAL
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 18:01	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 18:01	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 18:01	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		101	30-150					8/27/18 18:01	
Decachlorobiphenyl [2]		104	30-150					8/27/18 18:01	
Tetrachloro-m-xylene [1]		94.0	30-150					8/27/18 18:01	
Tetrachloro-m-xylene [2]		99.7	30-150					8/27/18 18:01	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-O-9 (9.5-11.5)

Sampled: 7/24/2018 13:32

Sample ID: 18G1037-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.7		% Wt	1		SM 2540G	8/30/18	8/31/18 10:38	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-O-10 (3.5-5.5)

Sampled: 7/24/2018 13:54

Sample ID: 18G1037-05

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 18:19	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 18:19	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 18:19	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 18:19	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 18:19	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 18:19	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 18:19	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 18:19	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 18:19	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		73.5	30-150					8/27/18 18:19	
Decachlorobiphenyl [2]		81.5	30-150					8/27/18 18:19	
Tetrachloro-m-xylene [1]		80.5	30-150					8/27/18 18:19	
Tetrachloro-m-xylene [2]		85.2	30-150					8/27/18 18:19	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-O-10 (3.5-5.5)

Sampled: 7/24/2018 13:54

Sample ID: 18G1037-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.3		% Wt	1		SM 2540G	8/30/18	8/31/18 10:38	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-O-10 (5.5-7.5)

Sampled: 7/24/2018 13:55

Sample ID: 18G1037-06

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 18:36	KAL
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 18:36	KAL
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 18:36	KAL
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 18:36	KAL
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 18:36	KAL
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 18:36	KAL
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 18:36	KAL
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 18:36	KAL
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 18:36	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		73.7	30-150					8/27/18 18:36	
Decachlorobiphenyl [2]		81.2	30-150					8/27/18 18:36	
Tetrachloro-m-xylene [1]		74.5	30-150					8/27/18 18:36	
Tetrachloro-m-xylene [2]		78.2	30-150					8/27/18 18:36	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-O-10 (5.5-7.5)

Sampled: 7/24/2018 13:55

Sample ID: 18G1037-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.1		% Wt	1		SM 2540G	8/30/18	8/31/18 10:38	MJR



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-O-10 (7.5-9.5)

Sampled: 7/24/2018 13:56

Sample ID: 18G1037-07

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 18:53	KAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 18:53	KAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 18:53	KAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 18:53	KAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 18:53	KAL
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 18:53	KAL
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 18:53	KAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 18:53	KAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 18:53	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		62.0	30-150					8/27/18 18:53	
Decachlorobiphenyl [2]		88.6	30-150					8/27/18 18:53	
Tetrachloro-m-xylene [1]		57.4	30-150					8/27/18 18:53	
Tetrachloro-m-xylene [2]		60.6	30-150					8/27/18 18:53	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-O-10 (7.5-9.5)

Sampled: 7/24/2018 13:56

Sample ID: 18G1037-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.0		% Wt	1		SM 2540G	8/30/18	8/31/18 10:38	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-O-10 (9.5-11.5)

Sampled: 7/24/2018 13:57

Sample ID: 18G1037-08

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 19:11	KAL
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 19:11	KAL
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 19:11	KAL
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 19:11	KAL
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 19:11	KAL
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 19:11	KAL
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 19:11	KAL
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 19:11	KAL
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 19:11	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		94.2	30-150					8/27/18 19:11	
Decachlorobiphenyl [2]		97.1	30-150					8/27/18 19:11	
Tetrachloro-m-xylene [1]		93.3	30-150					8/27/18 19:11	
Tetrachloro-m-xylene [2]		100	30-150					8/27/18 19:11	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-O-10 (9.5-11.5)

Sampled: 7/24/2018 13:57

Sample ID: 18G1037-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.2		% Wt	1		SM 2540G	8/30/18	8/31/18 10:38	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-N-9 (5.5-7.5)

Sampled: 7/24/2018 11:35

Sample ID: 18G1037-09

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 19:28	KAL
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 19:28	KAL
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 19:28	KAL
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 19:28	KAL
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 19:28	KAL
Aroclor-1254 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 19:28	KAL
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 19:28	KAL
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 19:28	KAL
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 19:28	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		75.7	30-150					8/27/18 19:28	
Decachlorobiphenyl [2]		123	30-150					8/27/18 19:28	
Tetrachloro-m-xylene [1]		67.0	30-150					8/27/18 19:28	
Tetrachloro-m-xylene [2]		71.0	30-150					8/27/18 19:28	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-N-9 (5.5-7.5)

Sampled: 7/24/2018 11:35

Sample ID: 18G1037-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.0		% Wt	1		SM 2540G	8/30/18	8/31/18 10:38	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-N-9 (7.5-9.5)

Sampled: 7/24/2018 11:36

Sample ID: 18G1037-10

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 19:45	KAL
Aroclor-1221 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 19:45	KAL
Aroclor-1232 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 19:45	KAL
Aroclor-1242 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 19:45	KAL
Aroclor-1248 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 19:45	KAL
Aroclor-1254 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 19:45	KAL
Aroclor-1260 [2]	0.14	0.099	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 19:45	KAL
Aroclor-1262 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 19:45	KAL
Aroclor-1268 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 19:45	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		79.6	30-150					8/27/18 19:45	
Decachlorobiphenyl [2]		122	30-150					8/27/18 19:45	
Tetrachloro-m-xylene [1]		79.1	30-150					8/27/18 19:45	
Tetrachloro-m-xylene [2]		83.6	30-150					8/27/18 19:45	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-N-9 (7.5-9.5)

Sampled: 7/24/2018 11:36

Sample ID: 18G1037-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.7		% Wt	1		SM 2540G	8/30/18	8/31/18 10:38	MJR



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-N-9 (9.5-11.5)

Sampled: 7/24/2018 11:37

Sample ID: 18G1037-11

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 20:03	KAL
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 20:03	KAL
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 20:03	KAL
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 20:03	KAL
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 20:03	KAL
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 20:03	KAL
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 20:03	KAL
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 20:03	KAL
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 20:03	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		87.6	30-150					8/27/18 20:03	
Decachlorobiphenyl [2]		91.1	30-150					8/27/18 20:03	
Tetrachloro-m-xylene [1]		90.0	30-150					8/27/18 20:03	
Tetrachloro-m-xylene [2]		96.7	30-150					8/27/18 20:03	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-N-9 (9.5-11.5)

Sampled: 7/24/2018 11:37

Sample ID: 18G1037-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.8		% Wt	1		SM 2540G	8/31/18	9/1/18 8:38	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-N-8 (7.5-9.7)

Sampled: 7/24/2018 11:56

Sample ID: 18G1037-14

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 20:20	KAL
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 20:20	KAL
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 20:20	KAL
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 20:20	KAL
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 20:20	KAL
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 20:20	KAL
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 20:20	KAL
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 20:20	KAL
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 20:20	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		80.5	30-150					8/27/18 20:20	
Decachlorobiphenyl [2]		120	30-150					8/27/18 20:20	
Tetrachloro-m-xylene [1]		82.8	30-150					8/27/18 20:20	
Tetrachloro-m-xylene [2]		85.6	30-150					8/27/18 20:20	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-N-8 (7.5-9.7)

Sampled: 7/24/2018 11:56

Sample ID: 18G1037-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	60.9		% Wt	1		SM 2540G	8/31/18	9/1/18 8:38	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-O-8 (11.5-13.5)

Sampled: 7/24/2018 13:13

Sample ID: 18G1037-15

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 20:37	KAL
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 20:37	KAL
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 20:37	KAL
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 20:37	KAL
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 20:37	KAL
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 20:37	KAL
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 20:37	KAL
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 20:37	KAL
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/2/18	8/27/18 20:37	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		94.5	30-150					8/27/18 20:37	
Decachlorobiphenyl [2]		97.3	30-150					8/27/18 20:37	
Tetrachloro-m-xylene [1]		98.7	30-150					8/27/18 20:37	
Tetrachloro-m-xylene [2]		108	30-150					8/27/18 20:37	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-O-8 (11.5-13.5)

Sampled: 7/24/2018 13:13

Sample ID: 18G1037-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.4		% Wt	1		SM 2540G	8/31/18	9/1/18 8:38	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-O-7 (3.5-5.5)

Sampled: 7/24/2018 12:54

Sample ID: 18G1037-16

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/2/18	8/27/18 20:55	KAL
Aroclor-1221 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/2/18	8/27/18 20:55	KAL
Aroclor-1232 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/2/18	8/27/18 20:55	KAL
Aroclor-1242 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/2/18	8/27/18 20:55	KAL
Aroclor-1248 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/2/18	8/27/18 20:55	KAL
Aroclor-1254 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/2/18	8/27/18 20:55	KAL
Aroclor-1260 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/2/18	8/27/18 20:55	KAL
Aroclor-1262 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/2/18	8/27/18 20:55	KAL
Aroclor-1268 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/2/18	8/27/18 20:55	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		90.4	30-150					8/27/18 20:55	
Decachlorobiphenyl [2]		113	30-150					8/27/18 20:55	
Tetrachloro-m-xylene [1]		91.6	30-150					8/27/18 20:55	
Tetrachloro-m-xylene [2]		93.8	30-150					8/27/18 20:55	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-O-7 (5.5-7.5)

Sampled: 7/24/2018 12:55

Sample ID: 18G1037-17

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 15:43	KAL
Aroclor-1221 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 15:43	KAL
Aroclor-1232 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 15:43	KAL
Aroclor-1242 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 15:43	KAL
Aroclor-1248 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 15:43	KAL
Aroclor-1254 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 15:43	KAL
Aroclor-1260 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 15:43	KAL
Aroclor-1262 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 15:43	KAL
Aroclor-1268 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 15:43	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		59.8	30-150					8/30/18 15:43	
Decachlorobiphenyl [2]		80.0	30-150					8/30/18 15:43	
Tetrachloro-m-xylene [1]		58.6	30-150					8/30/18 15:43	
Tetrachloro-m-xylene [2]		69.9	30-150					8/30/18 15:43	



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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-O-7 (5.5-7.5)

Sampled: 7/24/2018 12:55

Sample ID: 18G1037-17

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.1		% Wt	1		SM 2540G	8/31/18	9/1/18 8:38	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-O-7 (7.5-9.5)

Sampled: 7/24/2018 12:56

Sample ID: 18G1037-18

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:01	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:01	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:01	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:01	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:01	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:01	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:01	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:01	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:01	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		92.6	30-150					8/30/18 16:01	
Decachlorobiphenyl [2]		108	30-150					8/30/18 16:01	
Tetrachloro-m-xylene [1]		99.7	30-150					8/30/18 16:01	
Tetrachloro-m-xylene [2]		110	30-150					8/30/18 16:01	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-O-7 (7.5-9.5)

Sampled: 7/24/2018 12:56

Sample ID: 18G1037-18

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	72.5		% Wt	1		SM 2540G	8/31/18	9/1/18 8:38	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-O-7 (9.5-11.5)

Sampled: 7/24/2018 12:57

Sample ID: 18G1037-19

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:19	KAL
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:19	KAL
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:19	KAL
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:19	KAL
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:19	KAL
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:19	KAL
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:19	KAL
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:19	KAL
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:19	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		106	30-150					8/30/18 16:19	
Decachlorobiphenyl [2]		114	30-150					8/30/18 16:19	
Tetrachloro-m-xylene [1]		96.5	30-150					8/30/18 16:19	
Tetrachloro-m-xylene [2]		104	30-150					8/30/18 16:19	

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-O-7 (9.5-11.5)

Sampled: 7/24/2018 12:57

Sample ID: 18G1037-19

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.3		% Wt	1		SM 2540G	8/31/18	9/1/18 8:38	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-O-5 (3.5-5.5)

Sampled: 7/24/2018 12:34

Sample ID: 18G1037-20

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:37	KAL
Aroclor-1221 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:37	KAL
Aroclor-1232 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:37	KAL
Aroclor-1242 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:37	KAL
Aroclor-1248 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:37	KAL
Aroclor-1254 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:37	KAL
Aroclor-1260 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:37	KAL
Aroclor-1262 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:37	KAL
Aroclor-1268 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:37	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		88.2	30-150					8/30/18 16:37	
Decachlorobiphenyl [2]		99.4	30-150					8/30/18 16:37	
Tetrachloro-m-xylene [1]		94.2	30-150					8/30/18 16:37	
Tetrachloro-m-xylene [2]		97.2	30-150					8/30/18 16:37	

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-O-5 (3.5-5.5)

Sampled: 7/24/2018 12:34

Sample ID: 18G1037-20

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.2		% Wt	1		SM 2540G	8/31/18	9/1/18 8:38	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-O-5 (5.5-7.5)

Sampled: 7/24/2018 12:35

Sample ID: 18G1037-21

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:55	KAL
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:55	KAL
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:55	KAL
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:55	KAL
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:55	KAL
Aroclor-1254 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:55	KAL
Aroclor-1260 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:55	KAL
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:55	KAL
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:55	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		107	30-150					8/30/18 16:55	
Decachlorobiphenyl [2]		114	30-150					8/30/18 16:55	
Tetrachloro-m-xylene [1]		99.0	30-150					8/30/18 16:55	
Tetrachloro-m-xylene [2]		103	30-150					8/30/18 16:55	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-O-5 (5.5-7.5)

Sampled: 7/24/2018 12:35

Sample ID: 18G1037-21

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	5.3	0.53	mg/Kg dry	1		SW-846 6010D	8/31/18	9/2/18 12:19	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-O-5 (5.5-7.5)

Sampled: 7/24/2018 12:35

Sample ID: 18G1037-21

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.6		% Wt	1		SM 2540G	8/31/18	9/1/18 8:39	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-O-3 (3.5-5.5)

Sampled: 7/24/2018 12:14

Sample ID: 18G1037-22

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:13	KAL
Aroclor-1221 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:13	KAL
Aroclor-1232 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:13	KAL
Aroclor-1242 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:13	KAL
Aroclor-1248 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:13	KAL
Aroclor-1254 [1]	0.82	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:13	KAL
Aroclor-1260 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:13	KAL
Aroclor-1262 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:13	KAL
Aroclor-1268 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:13	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		110	30-150					8/30/18 17:13	
Decachlorobiphenyl [2]		117	30-150					8/30/18 17:13	
Tetrachloro-m-xylene [1]		97.7	30-150					8/30/18 17:13	
Tetrachloro-m-xylene [2]		102	30-150					8/30/18 17:13	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-O-3 (3.5-5.5)

Sampled: 7/24/2018 12:14

Sample ID: 18G1037-22

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.7		% Wt	1		SM 2540G	8/31/18	9/1/18 8:39	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-O-3 (5.5-7.5)

Sampled: 7/24/2018 12:15

Sample ID: 18G1037-23

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:31	KAL
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:31	KAL
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:31	KAL
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:31	KAL
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:31	KAL
Aroclor-1254 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:31	KAL
Aroclor-1260 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:31	KAL
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:31	KAL
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:31	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		119	30-150					8/30/18 17:31	
Decachlorobiphenyl [2]		124	30-150					8/30/18 17:31	
Tetrachloro-m-xylene [1]		107	30-150					8/30/18 17:31	
Tetrachloro-m-xylene [2]		112	30-150					8/30/18 17:31	

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-O-3 (5.5-7.5)

Sampled: 7/24/2018 12:15

Sample ID: 18G1037-23

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	97.9		% Wt	1		SM 2540G	8/31/18	9/1/18 8:39	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-O-3 (7.5-9.5)

Sampled: 7/24/2018 12:16

Sample ID: 18G1037-24

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:49	KAL
Aroclor-1221 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:49	KAL
Aroclor-1232 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:49	KAL
Aroclor-1242 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:49	KAL
Aroclor-1248 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:49	KAL
Aroclor-1254 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:49	KAL
Aroclor-1260 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:49	KAL
Aroclor-1262 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:49	KAL
Aroclor-1268 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:49	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		123	30-150					8/30/18 17:49	
Decachlorobiphenyl [2]		126	30-150					8/30/18 17:49	
Tetrachloro-m-xylene [1]		111	30-150					8/30/18 17:49	
Tetrachloro-m-xylene [2]		115	30-150					8/30/18 17:49	

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-O-3 (7.5-9.5)

Sampled: 7/24/2018 12:16

Sample ID: 18G1037-24

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.8		% Wt	1		SM 2540G	8/31/18	9/1/18 8:39	JFC



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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-3 (3.5-5.5)

Sampled: 7/24/2018 08:49

Sample ID: 18G1037-25

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 18:07	KAL
Aroclor-1221 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 18:07	KAL
Aroclor-1232 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 18:07	KAL
Aroclor-1242 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 18:07	KAL
Aroclor-1248 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 18:07	KAL
Aroclor-1254 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 18:07	KAL
Aroclor-1260 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 18:07	KAL
Aroclor-1262 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 18:07	KAL
Aroclor-1268 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 18:07	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		86.1	30-150					8/30/18 18:07	
Decachlorobiphenyl [2]		94.5	30-150					8/30/18 18:07	
Tetrachloro-m-xylene [1]		79.6	30-150					8/30/18 18:07	
Tetrachloro-m-xylene [2]		80.2	30-150					8/30/18 18:07	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-3 (3.5-5.5)

Sampled: 7/24/2018 08:49

Sample ID: 18G1037-25

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.0		% Wt	1		SM 2540G	8/31/18	9/1/18 8:39	JFC

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-3 (5.5-7.5)

Sampled: 7/24/2018 08:50

Sample ID: 18G1037-26

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 18:25	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 18:25	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 18:25	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 18:25	KAL
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 18:25	KAL
Aroclor-1254 [2]	0.42	0.084	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 18:25	KAL
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 18:25	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 18:25	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 18:25	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		93.7	30-150					8/30/18 18:25	
Decachlorobiphenyl [2]		104	30-150					8/30/18 18:25	
Tetrachloro-m-xylene [1]		91.6	30-150					8/30/18 18:25	
Tetrachloro-m-xylene [2]		91.5	30-150					8/30/18 18:25	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-3 (5.5-7.5)

Sampled: 7/24/2018 08:50

Sample ID: 18G1037-26

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.0		% Wt	1		SM 2540G	8/31/18	9/1/18 8:39	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-1 (3.5-5.)

Sampled: 7/24/2018 09:24

Sample ID: 18G1037-27

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 19:31	KAL
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 19:31	KAL
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 19:31	KAL
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 19:31	KAL
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 19:31	KAL
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 19:31	KAL
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 19:31	KAL
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 19:31	KAL
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 19:31	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		91.8	30-150					8/30/18 19:31	
Decachlorobiphenyl [2]		101	30-150					8/30/18 19:31	
Tetrachloro-m-xylene [1]		89.5	30-150					8/30/18 19:31	
Tetrachloro-m-xylene [2]		87.4	30-150					8/30/18 19:31	

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-1 (3.5-5.)

Sampled: 7/24/2018 09:24

Sample ID: 18G1037-27

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.9		% Wt	1		SM 2540G	8/31/18	9/1/18 8:39	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-1 (5.5-7.5)

Sampled: 7/24/2018 09:25

Sample ID: 18G1037-28

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 19:49	KAL
Aroclor-1221 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 19:49	KAL
Aroclor-1232 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 19:49	KAL
Aroclor-1242 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 19:49	KAL
Aroclor-1248 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 19:49	KAL
Aroclor-1254 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 19:49	KAL
Aroclor-1260 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 19:49	KAL
Aroclor-1262 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 19:49	KAL
Aroclor-1268 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 19:49	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		110	30-150					8/30/18 19:49	
Decachlorobiphenyl [2]		109	30-150					8/30/18 19:49	
Tetrachloro-m-xylene [1]		96.9	30-150					8/30/18 19:49	
Tetrachloro-m-xylene [2]		96.1	30-150					8/30/18 19:49	

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-1 (5.5-7.5)

Sampled: 7/24/2018 09:25

Sample ID: 18G1037-28

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.4		% Wt	1		SM 2540G	8/31/18	9/1/18 8:39	JFC



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-5 (3.5-5.5)

Sampled: 7/24/2018 09:39

Sample ID: 18G1037-29

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:07	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:07	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:07	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:07	KAL
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:07	KAL
Aroclor-1254 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:07	KAL
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:07	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:07	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:07	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		99.7	30-150					8/30/18 20:07	
Decachlorobiphenyl [2]		107	30-150					8/30/18 20:07	
Tetrachloro-m-xylene [1]		94.9	30-150					8/30/18 20:07	
Tetrachloro-m-xylene [2]		91.1	30-150					8/30/18 20:07	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-5 (3.5-5.5)

Sampled: 7/24/2018 09:39

Sample ID: 18G1037-29

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.7		% Wt	1		SM 2540G	8/31/18	9/1/18 8:39	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-5 (5.5-7.5)

Sampled: 7/24/2018 09:40

Sample ID: 18G1037-30

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:25	KAL
Aroclor-1221 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:25	KAL
Aroclor-1232 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:25	KAL
Aroclor-1242 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:25	KAL
Aroclor-1248 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:25	KAL
Aroclor-1254 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:25	KAL
Aroclor-1260 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:25	KAL
Aroclor-1262 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:25	KAL
Aroclor-1268 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:25	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		113	30-150					8/30/18 20:25	
Decachlorobiphenyl [2]		111	30-150					8/30/18 20:25	
Tetrachloro-m-xylene [1]		96.5	30-150					8/30/18 20:25	
Tetrachloro-m-xylene [2]		96.3	30-150					8/30/18 20:25	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-5 (5.5-7.5)

Sampled: 7/24/2018 09:40

Sample ID: 18G1037-30

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.2		% Wt	1		SM 2540G	8/31/18	9/1/18 8:40	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-7 (3.5-5.5)

Sampled: 7/24/2018 08:54

Sample ID: 18G1037-31

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:43	KAL
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:43	KAL
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:43	KAL
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:43	KAL
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:43	KAL
Aroclor-1254 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:43	KAL
Aroclor-1260 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:43	KAL
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:43	KAL
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:43	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		86.6	30-150					8/30/18 20:43	
Decachlorobiphenyl [2]		100	30-150					8/30/18 20:43	
Tetrachloro-m-xylene [1]		91.0	30-150					8/30/18 20:43	
Tetrachloro-m-xylene [2]		87.4	30-150					8/30/18 20:43	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-7 (3.5-5.5)

Sampled: 7/24/2018 08:54

Sample ID: 18G1037-31

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.0		% Wt	1		SM 2540G	8/31/18	9/1/18 8:40	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-7 (5.5-7.5)

Sampled: 7/24/2018 08:55

Sample ID: 18G1037-32

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:01	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:01	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:01	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:01	KAL
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:01	KAL
Aroclor-1254 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:01	KAL
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:01	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:01	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:01	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		100	30-150					8/30/18 21:01	
Decachlorobiphenyl [2]		104	30-150					8/30/18 21:01	
Tetrachloro-m-xylene [1]		99.3	30-150					8/30/18 21:01	
Tetrachloro-m-xylene [2]		93.9	30-150					8/30/18 21:01	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-7 (5.5-7.5)

Sampled: 7/24/2018 08:55

Sample ID: 18G1037-32

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.7		% Wt	1		SM 2540G	8/31/18	9/1/18 8:40	JFC



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-7 (7.5-9.5)

Sampled: 7/24/2018 00:00

Sample ID: 18G1037-33

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:19	KAL
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:19	KAL
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:19	KAL
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:19	KAL
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:19	KAL
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:19	KAL
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:19	KAL
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:19	KAL
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:19	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		107	30-150					8/30/18 21:19	
Decachlorobiphenyl [2]		104	30-150					8/30/18 21:19	
Tetrachloro-m-xylene [1]		90.1	30-150					8/30/18 21:19	
Tetrachloro-m-xylene [2]		87.8	30-150					8/30/18 21:19	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-7 (7.5-9.5)

Sampled: 7/24/2018 00:00

Sample ID: 18G1037-33

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.4		% Wt	1		SM 2540G	8/31/18	9/1/18 8:40	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-7 (9.5-11.5)

Sampled: 7/24/2018 08:57

Sample ID: 18G1037-34

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:37	KAL
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:37	KAL
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:37	KAL
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:37	KAL
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:37	KAL
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:37	KAL
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:37	KAL
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:37	KAL
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:37	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		116	30-150					8/30/18 21:37	
Decachlorobiphenyl [2]		112	30-150					8/30/18 21:37	
Tetrachloro-m-xylene [1]		102	30-150					8/30/18 21:37	
Tetrachloro-m-xylene [2]		98.3	30-150					8/30/18 21:37	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-7 (9.5-11.5)

Sampled: 7/24/2018 08:57

Sample ID: 18G1037-34

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.7		% Wt	1		SM 2540G	8/31/18	9/1/18 8:40	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-7 (11.5-13.5)

Sampled: 7/24/2018 08:59

Sample ID: 18G1037-35

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:55	KAL
Aroclor-1221 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:55	KAL
Aroclor-1232 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:55	KAL
Aroclor-1242 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:55	KAL
Aroclor-1248 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:55	KAL
Aroclor-1254 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:55	KAL
Aroclor-1260 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:55	KAL
Aroclor-1262 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:55	KAL
Aroclor-1268 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:55	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		104	30-150					8/30/18 21:55	
Decachlorobiphenyl [2]		101	30-150					8/30/18 21:55	
Tetrachloro-m-xylene [1]		89.1	30-150					8/30/18 21:55	
Tetrachloro-m-xylene [2]		87.3	30-150					8/30/18 21:55	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-7 (11.5-13.5)

Sampled: 7/24/2018 08:59

Sample ID: 18G1037-35

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.7		% Wt	1		SM 2540G	8/31/18	9/1/18 8:40	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-8 (3.5-5.5)

Sampled: 7/24/2018 10:19

Sample ID: 18G1037-36

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.073	mg/Kg wet	4		SW-846 8082A	8/3/18	8/30/18 22:13	KAL
Aroclor-1221 [1]	ND	0.073	mg/Kg wet	4		SW-846 8082A	8/3/18	8/30/18 22:13	KAL
Aroclor-1232 [1]	ND	0.073	mg/Kg wet	4		SW-846 8082A	8/3/18	8/30/18 22:13	KAL
Aroclor-1242 [1]	ND	0.073	mg/Kg wet	4		SW-846 8082A	8/3/18	8/30/18 22:13	KAL
Aroclor-1248 [1]	ND	0.073	mg/Kg wet	4		SW-846 8082A	8/3/18	8/30/18 22:13	KAL
Aroclor-1254 [1]	ND	0.073	mg/Kg wet	4		SW-846 8082A	8/3/18	8/30/18 22:13	KAL
Aroclor-1260 [1]	ND	0.073	mg/Kg wet	4		SW-846 8082A	8/3/18	8/30/18 22:13	KAL
Aroclor-1262 [1]	ND	0.073	mg/Kg wet	4		SW-846 8082A	8/3/18	8/30/18 22:13	KAL
Aroclor-1268 [1]	ND	0.073	mg/Kg wet	4		SW-846 8082A	8/3/18	8/30/18 22:13	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		102	30-150					8/30/18 22:13	
Decachlorobiphenyl [2]		103	30-150					8/30/18 22:13	
Tetrachloro-m-xylene [1]		103	30-150					8/30/18 22:13	
Tetrachloro-m-xylene [2]		98.0	30-150					8/30/18 22:13	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-8 (5.5-7.5)

Sampled: 7/24/2018 10:20

Sample ID: 18G1037-37

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 15:59	WAL
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 15:59	WAL
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 15:59	WAL
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 15:59	WAL
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 15:59	WAL
Aroclor-1254 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 15:59	WAL
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 15:59	WAL
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 15:59	WAL
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 15:59	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		96.6	30-150					8/30/18 15:59	
Decachlorobiphenyl [2]		97.5	30-150					8/30/18 15:59	
Tetrachloro-m-xylene [1]		103	30-150					8/30/18 15:59	
Tetrachloro-m-xylene [2]		94.6	30-150					8/30/18 15:59	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-8 (5.5-7.5)

Sampled: 7/24/2018 10:20

Sample ID: 18G1037-37

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.2		% Wt	1		SM 2540G	8/31/18	9/1/18 8:41	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-8 (7.5-9.5)

Sampled: 7/24/2018 10:21

Sample ID: 18G1037-38

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:17	WAL
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:17	WAL
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:17	WAL
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:17	WAL
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:17	WAL
Aroclor-1254 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:17	WAL
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:17	WAL
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:17	WAL
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:17	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		95.9	30-150					8/30/18 16:17	
Decachlorobiphenyl [2]		96.8	30-150					8/30/18 16:17	
Tetrachloro-m-xylene [1]		90.4	30-150					8/30/18 16:17	
Tetrachloro-m-xylene [2]		85.2	30-150					8/30/18 16:17	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-8 (7.5-9.5)

Sampled: 7/24/2018 10:21

Sample ID: 18G1037-38

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.2		% Wt	1		SM 2540G	8/31/18	9/1/18 8:41	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-8 (9.5-11.5)

Sampled: 7/24/2018 10:22

Sample ID: 18G1037-39

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:35	WAL
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:35	WAL
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:35	WAL
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:35	WAL
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:35	WAL
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:35	WAL
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:35	WAL
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:35	WAL
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:35	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		102	30-150					8/30/18 16:35	
Decachlorobiphenyl [2]		99.0	30-150					8/30/18 16:35	
Tetrachloro-m-xylene [1]		105	30-150					8/30/18 16:35	
Tetrachloro-m-xylene [2]		97.8	30-150					8/30/18 16:35	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-8 (9.5-11.5)

Sampled: 7/24/2018 10:22

Sample ID: 18G1037-39

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.3		% Wt	1		SM 2540G	8/31/18	9/1/18 8:41	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-9 (3.5-5.5)

Sampled: 7/24/2018 10:29

Sample ID: 18G1037-40

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:53	WAL
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:53	WAL
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:53	WAL
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:53	WAL
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:53	WAL
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:53	WAL
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:53	WAL
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:53	WAL
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 16:53	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		48.9	30-150					8/30/18 16:53	
Decachlorobiphenyl [2]		49.3	30-150					8/30/18 16:53	
Tetrachloro-m-xylene [1]		46.5	30-150					8/30/18 16:53	
Tetrachloro-m-xylene [2]		42.6	30-150					8/30/18 16:53	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-9 (3.5-5.5)

Sampled: 7/24/2018 10:29

Sample ID: 18G1037-40

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.0		% Wt	1		SM 2540G	8/31/18	9/1/18 8:41	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-9 (5.5-7.5)

Sampled: 7/24/2018 10:30

Sample ID: 18G1037-41

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:10	WAL
Aroclor-1221 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:10	WAL
Aroclor-1232 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:10	WAL
Aroclor-1242 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:10	WAL
Aroclor-1248 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:10	WAL
Aroclor-1254 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:10	WAL
Aroclor-1260 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:10	WAL
Aroclor-1262 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:10	WAL
Aroclor-1268 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:10	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		97.0	30-150					8/30/18 17:10	
Decachlorobiphenyl [2]		93.6	30-150					8/30/18 17:10	
Tetrachloro-m-xylene [1]		103	30-150					8/30/18 17:10	
Tetrachloro-m-xylene [2]		95.1	30-150					8/30/18 17:10	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-9 (5.5-7.5)

Sampled: 7/24/2018 10:30

Sample ID: 18G1037-41

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.4		% Wt	1		SM 2540G	8/31/18	9/1/18 8:41	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-9 (9.5-11.5)

Sampled: 7/24/2018 10:31

Sample ID: 18G1037-42

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:29	WAL
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:29	WAL
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:29	WAL
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:29	WAL
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:29	WAL
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:29	WAL
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:29	WAL
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:29	WAL
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:29	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		103	30-150					8/30/18 17:29	
Decachlorobiphenyl [2]		106	30-150					8/30/18 17:29	
Tetrachloro-m-xylene [1]		97.2	30-150					8/30/18 17:29	
Tetrachloro-m-xylene [2]		89.9	30-150					8/30/18 17:29	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-9 (9.5-11.5)

Sampled: 7/24/2018 10:31

Sample ID: 18G1037-42

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.6		% Wt	1		SM 2540G	8/31/18	9/1/18 8:41	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-10 (3.5-5.5)

Sampled: 7/24/2018 10:44

Sample ID: 18G1037-43

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:46	WAL
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:46	WAL
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:46	WAL
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:46	WAL
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:46	WAL
Aroclor-1254 [1]	0.096	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:46	WAL
Aroclor-1260 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:46	WAL
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:46	WAL
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 17:46	WAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	102		30-150				8/30/18 17:46		
Decachlorobiphenyl [2]	107		30-150				8/30/18 17:46		
Tetrachloro-m-xylene [1]	101		30-150				8/30/18 17:46		
Tetrachloro-m-xylene [2]	91.5		30-150				8/30/18 17:46		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-10 (3.5-5.5)

Sampled: 7/24/2018 10:44

Sample ID: 18G1037-43

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.1		% Wt	1		SM 2540G	8/31/18	9/1/18 8:41	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-10 (5.5-7.5)

Sampled: 7/24/2018 10:45

Sample ID: 18G1037-44

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 18:04	WAL
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 18:04	WAL
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 18:04	WAL
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 18:04	WAL
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 18:04	WAL
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 18:04	WAL
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 18:04	WAL
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 18:04	WAL
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 18:04	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		94.4	30-150					8/30/18 18:04	
Decachlorobiphenyl [2]		96.7	30-150					8/30/18 18:04	
Tetrachloro-m-xylene [1]		96.9	30-150					8/30/18 18:04	
Tetrachloro-m-xylene [2]		88.9	30-150					8/30/18 18:04	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-10 (5.5-7.5)

Sampled: 7/24/2018 10:45

Sample ID: 18G1037-44

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.9		% Wt	1		SM 2540G	8/31/18	9/1/18 8:41	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-10 (7.5-9.5)

Sampled: 7/24/2018 10:46

Sample ID: 18G1037-45

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 18:22	WAL
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 18:22	WAL
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 18:22	WAL
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 18:22	WAL
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 18:22	WAL
Aroclor-1254 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 18:22	WAL
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 18:22	WAL
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 18:22	WAL
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 18:22	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		102	30-150					8/30/18 18:22	
Decachlorobiphenyl [2]		103	30-150					8/30/18 18:22	
Tetrachloro-m-xylene [1]		97.0	30-150					8/30/18 18:22	
Tetrachloro-m-xylene [2]		90.7	30-150					8/30/18 18:22	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-10 (7.5-9.5)

Sampled: 7/24/2018 10:46

Sample ID: 18G1037-45

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.7		% Wt	1		SM 2540G	8/31/18	9/1/18 8:41	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-10 (9.5-11.5)

Sampled: 7/24/2018 10:47

Sample ID: 18G1037-46

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 19:45	WAL
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 19:45	WAL
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 19:45	WAL
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 19:45	WAL
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 19:45	WAL
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 19:45	WAL
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 19:45	WAL
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 19:45	WAL
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 19:45	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		106	30-150					8/30/18 19:45	
Decachlorobiphenyl [2]		111	30-150					8/30/18 19:45	
Tetrachloro-m-xylene [1]		99.4	30-150					8/30/18 19:45	
Tetrachloro-m-xylene [2]		93.2	30-150					8/30/18 19:45	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-10 (9.5-11.5)

Sampled: 7/24/2018 10:47

Sample ID: 18G1037-46

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.3		% Wt	1		SM 2540G	8/31/18	9/1/18 8:42	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-11 (3.5-5.5)

Sampled: 7/24/2018 11:09

Sample ID: 18G1037-47

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:03	WAL
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:03	WAL
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:03	WAL
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:03	WAL
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:03	WAL
Aroclor-1254 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:03	WAL
Aroclor-1260 [1]	0.13	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:03	WAL
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:03	WAL
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:03	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		97.9	30-150					8/30/18 20:03	
Decachlorobiphenyl [2]		96.8	30-150					8/30/18 20:03	
Tetrachloro-m-xylene [1]		97.7	30-150					8/30/18 20:03	
Tetrachloro-m-xylene [2]		89.3	30-150					8/30/18 20:03	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-11 (3.5-5.5)

Sampled: 7/24/2018 11:09

Sample ID: 18G1037-47

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.0		% Wt	1		SM 2540G	8/31/18	9/1/18 8:42	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-11 (5.5-7.5)

Sampled: 7/24/2018 11:10

Sample ID: 18G1037-48

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:21	WAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:21	WAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:21	WAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:21	WAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:21	WAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:21	WAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:21	WAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:21	WAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:21	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		94.5	30-150					8/30/18 20:21	
Decachlorobiphenyl [2]		92.5	30-150					8/30/18 20:21	
Tetrachloro-m-xylene [1]		99.6	30-150					8/30/18 20:21	
Tetrachloro-m-xylene [2]		91.2	30-150					8/30/18 20:21	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-11 (5.5-7.5)

Sampled: 7/24/2018 11:10

Sample ID: 18G1037-48

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	74.7		% Wt	1		SM 2540G	8/31/18	9/1/18 8:42	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-11 (7.5-9.5)

Sampled: 7/24/2018 11:11

Sample ID: 18G1037-49

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:38	WAL
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:38	WAL
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:38	WAL
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:38	WAL
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:38	WAL
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:38	WAL
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:38	WAL
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:38	WAL
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:38	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		102	30-150					8/30/18 20:38	
Decachlorobiphenyl [2]		99.6	30-150					8/30/18 20:38	
Tetrachloro-m-xylene [1]		97.2	30-150					8/30/18 20:38	
Tetrachloro-m-xylene [2]		88.8	30-150					8/30/18 20:38	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-11 (7.5-9.5)

Sampled: 7/24/2018 11:11

Sample ID: 18G1037-49

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.5		% Wt	1		SM 2540G	8/31/18	9/1/18 8:42	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-11 (9.5-11.5)

Sampled: 7/24/2018 11:12

Sample ID: 18G1037-50

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:56	WAL
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:56	WAL
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:56	WAL
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:56	WAL
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:56	WAL
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:56	WAL
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:56	WAL
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:56	WAL
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 20:56	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		98.2	30-150					8/30/18 20:56	
Decachlorobiphenyl [2]		100	30-150					8/30/18 20:56	
Tetrachloro-m-xylene [1]		102	30-150					8/30/18 20:56	
Tetrachloro-m-xylene [2]		95.9	30-150					8/30/18 20:56	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-M-11 (9.5-11.5)

Sampled: 7/24/2018 11:12

Sample ID: 18G1037-50

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.6		% Wt	1		SM 2540G	8/31/18	9/1/18 8:42	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-N-10 (3.5-5.5)

Sampled: 7/24/2018 11:24

Sample ID: 18G1037-51

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:14	WAL
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:14	WAL
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:14	WAL
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:14	WAL
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:14	WAL
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:14	WAL
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:14	WAL
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:14	WAL
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:14	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		93.9	30-150					8/30/18 21:14	
Decachlorobiphenyl [2]		95.0	30-150					8/30/18 21:14	
Tetrachloro-m-xylene [1]		92.8	30-150					8/30/18 21:14	
Tetrachloro-m-xylene [2]		85.1	30-150					8/30/18 21:14	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-N-10 (3.5-5.5)

Sampled: 7/24/2018 11:24

Sample ID: 18G1037-51

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.3		% Wt	1		SM 2540G	8/31/18	9/1/18 8:42	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-N-10 (5.5-7.5)

Sampled: 7/24/2018 11:25

Sample ID: 18G1037-52

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:32	WAL
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:32	WAL
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:32	WAL
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:32	WAL
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:32	WAL
Aroclor-1254 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:32	WAL
Aroclor-1260 [1]	0.10	0.093	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:32	WAL
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:32	WAL
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:32	WAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	92.5		30-150			8/30/18 21:32			
Decachlorobiphenyl [2]	88.9		30-150			8/30/18 21:32			
Tetrachloro-m-xylene [1]	88.3		30-150			8/30/18 21:32			
Tetrachloro-m-xylene [2]	79.8		30-150			8/30/18 21:32			

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-N-10 (5.5-7.5)

Sampled: 7/24/2018 11:25

Sample ID: 18G1037-52

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.7		% Wt	1		SM 2540G	8/31/18	9/1/18 8:42	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-N-11 (7.5-9.5)

Sampled: 7/24/2018 11:26

Sample ID: 18G1037-53

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:49	WAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:49	WAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:49	WAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:49	WAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:49	WAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:49	WAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:49	WAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:49	WAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 21:49	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		82.8	30-150					8/30/18 21:49	
Decachlorobiphenyl [2]		76.4	30-150					8/30/18 21:49	
Tetrachloro-m-xylene [1]		86.0	30-150					8/30/18 21:49	
Tetrachloro-m-xylene [2]		80.4	30-150					8/30/18 21:49	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-N-11 (7.5-9.5)

Sampled: 7/24/2018 11:26

Sample ID: 18G1037-53

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	65.2		% Wt	1		SM 2540G	8/31/18	9/1/18 8:42	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-N-11 (9.5-11.5)

Sampled: 7/24/2018 11:27

Sample ID: 18G1037-54

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 22:07	WAL
Aroclor-1221 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 22:07	WAL
Aroclor-1232 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 22:07	WAL
Aroclor-1242 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 22:07	WAL
Aroclor-1248 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 22:07	WAL
Aroclor-1254 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 22:07	WAL
Aroclor-1260 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 22:07	WAL
Aroclor-1262 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 22:07	WAL
Aroclor-1268 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 22:07	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		93.8	30-150					8/30/18 22:07	
Decachlorobiphenyl [2]		92.4	30-150					8/30/18 22:07	
Tetrachloro-m-xylene [1]		94.5	30-150					8/30/18 22:07	
Tetrachloro-m-xylene [2]		88.5	30-150					8/30/18 22:07	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-N-11 (9.5-11.5)

Sampled: 7/24/2018 11:27

Sample ID: 18G1037-54

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.6		% Wt	1		SM 2540G	8/31/18	9/1/18 8:42	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-N-9 (3.5-5.5)

Sampled: 7/24/2018 11:34

Sample ID: 18G1037-55

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 22:25	WAL
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 22:25	WAL
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 22:25	WAL
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 22:25	WAL
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 22:25	WAL
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 22:25	WAL
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 22:25	WAL
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 22:25	WAL
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 22:25	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		104	30-150					8/30/18 22:25	
Decachlorobiphenyl [2]		101	30-150					8/30/18 22:25	
Tetrachloro-m-xylene [1]		105	30-150					8/30/18 22:25	
Tetrachloro-m-xylene [2]		96.4	30-150					8/30/18 22:25	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-N-9 (3.5-5.5)

Sampled: 7/24/2018 11:34

Sample ID: 18G1037-55

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.3		% Wt	1		SM 2540G	8/31/18	9/1/18 8:42	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-N-8 (9.5-11.5)

Sampled: 7/24/2018 11:37

Sample ID: 18G1037-56

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 22:42	WAL
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 22:42	WAL
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 22:42	WAL
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 22:42	WAL
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 22:42	WAL
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 22:42	WAL
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 22:42	WAL
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 22:42	WAL
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/3/18	8/30/18 22:42	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		99.7	30-150					8/30/18 22:42	
Decachlorobiphenyl [2]		101	30-150					8/30/18 22:42	
Tetrachloro-m-xylene [1]		95.3	30-150					8/30/18 22:42	
Tetrachloro-m-xylene [2]		89.5	30-150					8/30/18 22:42	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-N-8 (9.5-11.5)

Sampled: 7/24/2018 11:37

Sample ID: 18G1037-56

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.8		% Wt	1		SM 2540G	8/31/18	9/1/18 8:43	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-N-7 (7.5-9.5)

Sampled: 7/24/2018 12:12

Sample ID: 18G1037-59

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.16	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 0:33	TG
Aroclor-1221 [1]	ND	0.16	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 0:33	TG
Aroclor-1232 [1]	ND	0.16	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 0:33	TG
Aroclor-1242 [1]	ND	0.16	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 0:33	TG
Aroclor-1248 [1]	ND	0.16	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 0:33	TG
Aroclor-1254 [1]	ND	0.16	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 0:33	TG
Aroclor-1260 [1]	ND	0.16	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 0:33	TG
Aroclor-1262 [1]	ND	0.16	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 0:33	TG
Aroclor-1268 [1]	ND	0.16	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 0:33	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		63.2	30-150					8/25/18 0:33	
Decachlorobiphenyl [2]		70.4	30-150					8/25/18 0:33	
Tetrachloro-m-xylene [1]		94.1	30-150					8/25/18 0:33	
Tetrachloro-m-xylene [2]		90.1	30-150					8/25/18 0:33	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-N-7 (7.5-9.5)

Sampled: 7/24/2018 12:12

Sample ID: 18G1037-59

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	49.2		% Wt	1		SM 2540G	8/31/18	9/1/18 8:43	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-N-7 (9.5-11.5)

Sampled: 7/24/2018 12:13

Sample ID: 18G1037-60

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 0:51	TG
Aroclor-1221 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 0:51	TG
Aroclor-1232 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 0:51	TG
Aroclor-1242 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 0:51	TG
Aroclor-1248 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 0:51	TG
Aroclor-1254 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 0:51	TG
Aroclor-1260 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 0:51	TG
Aroclor-1262 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 0:51	TG
Aroclor-1268 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 0:51	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		74.0	30-150					8/25/18 0:51	
Decachlorobiphenyl [2]		79.2	30-150					8/25/18 0:51	
Tetrachloro-m-xylene [1]		90.8	30-150					8/25/18 0:51	
Tetrachloro-m-xylene [2]		86.2	30-150					8/25/18 0:51	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-N-7 (9.5-11.5)

Sampled: 7/24/2018 12:13

Sample ID: 18G1037-60

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.1		% Wt	1		SM 2540G	8/31/18	9/1/18 8:43	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-L-9 (3.5-5.5)

Sampled: 7/24/2018 12:24

Sample ID: 18G1037-61

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 1:09	TG
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 1:09	TG
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 1:09	TG
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 1:09	TG
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 1:09	TG
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 1:09	TG
Aroclor-1260 [2]	0.17	0.085	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 1:09	TG
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 1:09	TG
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 1:09	TG
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	79.9		30-150				8/25/18 1:09		
Decachlorobiphenyl [2]	78.7		30-150				8/25/18 1:09		
Tetrachloro-m-xylene [1]	90.4		30-150				8/25/18 1:09		
Tetrachloro-m-xylene [2]	90.8		30-150				8/25/18 1:09		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-L-9 (3.5-5.5)

Sampled: 7/24/2018 12:24

Sample ID: 18G1037-61

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.2		% Wt	1		SM 2540G	8/31/18	9/1/18 8:44	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-L-9 (5.5-7.5)

Sampled: 7/24/2018 12:25

Sample ID: 18G1037-62

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 1:26	TG
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 1:26	TG
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 1:26	TG
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 1:26	TG
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 1:26	TG
Aroclor-1254 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 1:26	TG
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 1:26	TG
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 1:26	TG
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 1:26	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		53.7	30-150					8/25/18 1:26	
Decachlorobiphenyl [2]		77.2	30-150					8/25/18 1:26	
Tetrachloro-m-xylene [1]		88.7	30-150					8/25/18 1:26	
Tetrachloro-m-xylene [2]		86.7	30-150					8/25/18 1:26	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-L-9 (5.5-7.5)

Sampled: 7/24/2018 12:25

Sample ID: 18G1037-62

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.0		% Wt	1		SM 2540G	8/31/18	9/1/18 8:44	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-L-9 (7.5-9.5)

Sampled: 7/24/2018 12:26

Sample ID: 18G1037-63

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 1:44	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 1:44	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 1:44	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 1:44	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 1:44	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 1:44	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 1:44	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 1:44	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 1:44	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		77.3	30-150					8/25/18 1:44	
Decachlorobiphenyl [2]		76.8	30-150					8/25/18 1:44	
Tetrachloro-m-xylene [1]		89.0	30-150					8/25/18 1:44	
Tetrachloro-m-xylene [2]		85.2	30-150					8/25/18 1:44	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-L-9 (7.5-9.5)

Sampled: 7/24/2018 12:26

Sample ID: 18G1037-63

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	71.2		% Wt	1		SM 2540G	8/31/18	9/1/18 8:44	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-L-9 (9.5-11.5)

Sampled: 7/24/2018 12:27

Sample ID: 18G1037-64

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 2:02	TG
Aroclor-1221 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 2:02	TG
Aroclor-1232 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 2:02	TG
Aroclor-1242 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 2:02	TG
Aroclor-1248 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 2:02	TG
Aroclor-1254 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 2:02	TG
Aroclor-1260 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 2:02	TG
Aroclor-1262 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 2:02	TG
Aroclor-1268 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 2:02	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		83.9	30-150					8/25/18 2:02	
Decachlorobiphenyl [2]		79.1	30-150					8/25/18 2:02	
Tetrachloro-m-xylene [1]		92.4	30-150					8/25/18 2:02	
Tetrachloro-m-xylene [2]		89.0	30-150					8/25/18 2:02	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-L-9 (9.5-11.5)

Sampled: 7/24/2018 12:27

Sample ID: 18G1037-64

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.6		% Wt	1		SM 2540G	8/31/18	9/1/18 8:44	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-L-8 (2.5-3.5)

Sampled: 7/24/2018 12:45

Sample ID: 18G1037-65

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/3/18	8/8/18 12:32	KAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/3/18	8/8/18 12:32	KAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/3/18	8/8/18 12:32	KAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/3/18	8/8/18 12:32	KAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/3/18	8/8/18 12:32	KAL
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/3/18	8/8/18 12:32	KAL
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/3/18	8/8/18 12:32	KAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/3/18	8/8/18 12:32	KAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/3/18	8/8/18 12:32	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		76.7	30-150					8/8/18 12:32	
Decachlorobiphenyl [2]		81.2	30-150					8/8/18 12:32	
Tetrachloro-m-xylene [1]		79.1	30-150					8/8/18 12:32	
Tetrachloro-m-xylene [2]		75.8	30-150					8/8/18 12:32	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-L-8 (2.5-3.5)

Sampled: 7/24/2018 12:45

Sample ID: 18G1037-65

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.9		% Wt	1		SM 2540G	8/8/18	8/9/18 8:33	JBL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-L-8 (3.5-5.5)

Sampled: 7/24/2018 12:46

Sample ID: 18G1037-66

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 2:19	TG
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 2:19	TG
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 2:19	TG
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 2:19	TG
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 2:19	TG
Aroclor-1254 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 2:19	TG
Aroclor-1260 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 2:19	TG
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 2:19	TG
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 2:19	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		70.4	30-150					8/25/18 2:19	
Decachlorobiphenyl [2]		71.4	30-150					8/25/18 2:19	
Tetrachloro-m-xylene [1]		87.2	30-150					8/25/18 2:19	
Tetrachloro-m-xylene [2]		83.1	30-150					8/25/18 2:19	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-L-8 (3.5-5.5)

Sampled: 7/24/2018 12:46

Sample ID: 18G1037-66

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.1		% Wt	1		SM 2540G	8/31/18	9/1/18 8:44	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-L-8 (5.5-7.5)

Sampled: 7/24/2018 12:47

Sample ID: 18G1037-67

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 2:37	TG
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 2:37	TG
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 2:37	TG
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 2:37	TG
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 2:37	TG
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 2:37	TG
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 2:37	TG
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 2:37	TG
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 2:37	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		78.2	30-150					8/25/18 2:37	
Decachlorobiphenyl [2]		77.6	30-150					8/25/18 2:37	
Tetrachloro-m-xylene [1]		89.2	30-150					8/25/18 2:37	
Tetrachloro-m-xylene [2]		85.2	30-150					8/25/18 2:37	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-L-8 (5.5-7.5)

Sampled: 7/24/2018 12:47

Sample ID: 18G1037-67

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.9		% Wt	1		SM 2540G	8/31/18	9/1/18 8:44	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-L-8 (7.5-9.5)

Sampled: 7/24/2018 12:48

Sample ID: 18G1037-68

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 2:55	TG
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 2:55	TG
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 2:55	TG
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 2:55	TG
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 2:55	TG
Aroclor-1254 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 2:55	TG
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 2:55	TG
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 2:55	TG
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 2:55	TG
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	77.6		30-150				8/25/18 2:55		
Decachlorobiphenyl [2]	78.8		30-150				8/25/18 2:55		
Tetrachloro-m-xylene [1]	93.6		30-150				8/25/18 2:55		
Tetrachloro-m-xylene [2]	89.4		30-150				8/25/18 2:55		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-L-8 (7.5-9.5)

Sampled: 7/24/2018 12:48

Sample ID: 18G1037-68

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.1		% Wt	1		SM 2540G	8/31/18	9/1/18 8:44	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-L-8 (9.5-11.5)

Sampled: 7/24/2018 12:49

Sample ID: 18G1037-69

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 3:12	TG
Aroclor-1221 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 3:12	TG
Aroclor-1232 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 3:12	TG
Aroclor-1242 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 3:12	TG
Aroclor-1248 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 3:12	TG
Aroclor-1254 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 3:12	TG
Aroclor-1260 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 3:12	TG
Aroclor-1262 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 3:12	TG
Aroclor-1268 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 3:12	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		78.6	30-150					8/25/18 3:12	
Decachlorobiphenyl [2]		84.4	30-150					8/25/18 3:12	
Tetrachloro-m-xylene [1]		95.6	30-150					8/25/18 3:12	
Tetrachloro-m-xylene [2]		91.0	30-150					8/25/18 3:12	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-L-8 (9.5-11.5)

Sampled: 7/24/2018 12:49

Sample ID: 18G1037-69

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.2		% Wt	1		SM 2540G	8/31/18	9/1/18 8:44	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-K-11 (3.5-5.5)

Sampled: 7/24/2018 13:04

Sample ID: 18G1037-70

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 4:18	TG
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 4:18	TG
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 4:18	TG
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 4:18	TG
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 4:18	TG
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 4:18	TG
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 4:18	TG
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 4:18	TG
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 4:18	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		36.6	30-150					8/25/18 4:18	
Decachlorobiphenyl [2]		57.1	30-150					8/25/18 4:18	
Tetrachloro-m-xylene [1]		51.4	30-150					8/25/18 4:18	
Tetrachloro-m-xylene [2]		50.2	30-150					8/25/18 4:18	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-K-11 (3.5-5.5)

Sampled: 7/24/2018 13:04

Sample ID: 18G1037-70

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.7		% Wt	1		SM 2540G	8/31/18	9/1/18 8:44	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-K-11 (5.5-7.5)

Sampled: 7/24/2018 13:05

Sample ID: 18G1037-71

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 4:35	TG
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 4:35	TG
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 4:35	TG
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 4:35	TG
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 4:35	TG
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 4:35	TG
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 4:35	TG
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 4:35	TG
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 4:35	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		77.2	30-150					8/25/18 4:35	
Decachlorobiphenyl [2]		80.6	30-150					8/25/18 4:35	
Tetrachloro-m-xylene [1]		93.1	30-150					8/25/18 4:35	
Tetrachloro-m-xylene [2]		88.2	30-150					8/25/18 4:35	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-K-11 (5.5-7.5)

Sampled: 7/24/2018 13:05

Sample ID: 18G1037-71

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.4		% Wt	1		SM 2540G	8/31/18	9/1/18 8:44	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-K-11 (7.5-9.5)

Sampled: 7/24/2018 13:06

Sample ID: 18G1037-72

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 4:53	TG
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 4:53	TG
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 4:53	TG
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 4:53	TG
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 4:53	TG
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 4:53	TG
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 4:53	TG
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 4:53	TG
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 4:53	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		85.7	30-150					8/25/18 4:53	
Decachlorobiphenyl [2]		85.1	30-150					8/25/18 4:53	
Tetrachloro-m-xylene [1]		98.9	30-150					8/25/18 4:53	
Tetrachloro-m-xylene [2]		94.0	30-150					8/25/18 4:53	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-K-11 (7.5-9.5)

Sampled: 7/24/2018 13:06

Sample ID: 18G1037-72

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.6		% Wt	1		SM 2540G	8/31/18	9/1/18 8:45	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-K-11(9.5-11.5)

Sampled: 7/24/2018 13:07

Sample ID: 18G1037-73

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 5:11	TG
Aroclor-1221 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 5:11	TG
Aroclor-1232 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 5:11	TG
Aroclor-1242 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 5:11	TG
Aroclor-1248 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 5:11	TG
Aroclor-1254 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 5:11	TG
Aroclor-1260 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 5:11	TG
Aroclor-1262 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 5:11	TG
Aroclor-1268 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 5:11	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		96.3	30-150					8/25/18 5:11	
Decachlorobiphenyl [2]		95.6	30-150					8/25/18 5:11	
Tetrachloro-m-xylene [1]		93.9	30-150					8/25/18 5:11	
Tetrachloro-m-xylene [2]		89.1	30-150					8/25/18 5:11	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-K-11(9.5-11.5)

Sampled: 7/24/2018 13:07

Sample ID: 18G1037-73

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	2.8	0.51	mg/Kg dry	1		SW-846 6010D	8/31/18	9/2/18 12:23	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-K-11(9.5-11.5)

Sampled: 7/24/2018 13:07

Sample ID: 18G1037-73

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.8		% Wt	1		SM 2540G	8/31/18	9/1/18 8:45	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-K-9 (3.5-5.5)

Sampled: 7/24/2018 13:14

Sample ID: 18G1037-74

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 5:28	TG
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 5:28	TG
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 5:28	TG
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 5:28	TG
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 5:28	TG
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 5:28	TG
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 5:28	TG
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 5:28	TG
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 5:28	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		64.4	30-150					8/25/18 5:28	
Decachlorobiphenyl [2]		89.4	30-150					8/25/18 5:28	
Tetrachloro-m-xylene [1]		88.5	30-150					8/25/18 5:28	
Tetrachloro-m-xylene [2]		86.7	30-150					8/25/18 5:28	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-K-9 (3.5-5.5)

Sampled: 7/24/2018 13:14

Sample ID: 18G1037-74

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.7		% Wt	1		SM 2540G	8/31/18	9/1/18 8:45	JFC



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-K-9 (5.5-7.5)

Sampled: 7/24/2018 13:15

Sample ID: 18G1037-75

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.17	mg/Kg dry	8		SW-846 8082A	8/3/18	8/25/18 9:08	TG
Aroclor-1221 [1]	ND	0.17	mg/Kg dry	8		SW-846 8082A	8/3/18	8/25/18 9:08	TG
Aroclor-1232 [1]	ND	0.17	mg/Kg dry	8		SW-846 8082A	8/3/18	8/25/18 9:08	TG
Aroclor-1242 [1]	ND	0.17	mg/Kg dry	8		SW-846 8082A	8/3/18	8/25/18 9:08	TG
Aroclor-1248 [1]	ND	0.17	mg/Kg dry	8		SW-846 8082A	8/3/18	8/25/18 9:08	TG
Aroclor-1254 [1]	1.6	0.17	mg/Kg dry	8		SW-846 8082A	8/3/18	8/25/18 9:08	TG
Aroclor-1260 [2]	0.21	0.17	mg/Kg dry	8		SW-846 8082A	8/3/18	8/25/18 9:08	TG
Aroclor-1262 [1]	ND	0.17	mg/Kg dry	8		SW-846 8082A	8/3/18	8/25/18 9:08	TG
Aroclor-1268 [1]	ND	0.17	mg/Kg dry	8		SW-846 8082A	8/3/18	8/25/18 9:08	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		89.2	30-150					8/25/18 9:08	
Decachlorobiphenyl [2]		84.6	30-150					8/25/18 9:08	
Tetrachloro-m-xylene [1]		95.7	30-150					8/25/18 9:08	
Tetrachloro-m-xylene [2]		88.3	30-150					8/25/18 9:08	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-K-9 (5.5-7.5)

Sampled: 7/24/2018 13:15

Sample ID: 18G1037-75

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.8		% Wt	1		SM 2540G	8/31/18	9/1/18 8:45	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-K-9 (7.5-9.5)

Sampled: 7/24/2018 13:16

Sample ID: 18G1037-76

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 6:04	TG
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 6:04	TG
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 6:04	TG
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 6:04	TG
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 6:04	TG
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 6:04	TG
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 6:04	TG
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 6:04	TG
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 6:04	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		51.6	30-150					8/25/18 6:04	
Decachlorobiphenyl [2]		73.4	30-150					8/25/18 6:04	
Tetrachloro-m-xylene [1]		85.6	30-150					8/25/18 6:04	
Tetrachloro-m-xylene [2]		85.4	30-150					8/25/18 6:04	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-K-9 (7.5-9.5)

Sampled: 7/24/2018 13:16

Sample ID: 18G1037-76

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.5		% Wt	1		SM 2540G	8/31/18	9/1/18 8:45	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-K-9 (9.5-11.5)

Sampled: 7/24/2018 13:17

Sample ID: 18G1037-77

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 6:21	TG
Aroclor-1221 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 6:21	TG
Aroclor-1232 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 6:21	TG
Aroclor-1242 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 6:21	TG
Aroclor-1248 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 6:21	TG
Aroclor-1254 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 6:21	TG
Aroclor-1260 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 6:21	TG
Aroclor-1262 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 6:21	TG
Aroclor-1268 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/3/18	8/25/18 6:21	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		58.5	30-150					8/25/18 6:21	
Decachlorobiphenyl [2]		73.2	30-150					8/25/18 6:21	
Tetrachloro-m-xylene [1]		89.7	30-150					8/25/18 6:21	
Tetrachloro-m-xylene [2]		90.2	30-150					8/25/18 6:21	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-K-9 (9.5-11.5)

Sampled: 7/24/2018 13:17

Sample ID: 18G1037-77

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	79.2		% Wt	1		SM 2540G	8/31/18	9/1/18 8:45	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-K-9 (11.5-13.5)

Sampled: 7/24/2018 13:18

Sample ID: 18G1037-78

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.075	mg/Kg wet	4		SW-846 8082A	8/3/18	8/25/18 6:39	TG
Aroclor-1221 [1]	ND	0.075	mg/Kg wet	4		SW-846 8082A	8/3/18	8/25/18 6:39	TG
Aroclor-1232 [1]	ND	0.075	mg/Kg wet	4		SW-846 8082A	8/3/18	8/25/18 6:39	TG
Aroclor-1242 [1]	ND	0.075	mg/Kg wet	4		SW-846 8082A	8/3/18	8/25/18 6:39	TG
Aroclor-1248 [1]	ND	0.075	mg/Kg wet	4		SW-846 8082A	8/3/18	8/25/18 6:39	TG
Aroclor-1254 [1]	ND	0.075	mg/Kg wet	4		SW-846 8082A	8/3/18	8/25/18 6:39	TG
Aroclor-1260 [1]	ND	0.075	mg/Kg wet	4		SW-846 8082A	8/3/18	8/25/18 6:39	TG
Aroclor-1262 [1]	ND	0.075	mg/Kg wet	4		SW-846 8082A	8/3/18	8/25/18 6:39	TG
Aroclor-1268 [1]	ND	0.075	mg/Kg wet	4		SW-846 8082A	8/3/18	8/25/18 6:39	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		69.8	30-150					8/25/18 6:39	
Decachlorobiphenyl [2]		73.4	30-150					8/25/18 6:39	
Tetrachloro-m-xylene [1]		102	30-150					8/25/18 6:39	
Tetrachloro-m-xylene [2]		96.9	30-150					8/25/18 6:39	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-K-7 (7.5-9.5)

Sampled: 7/24/2018 13:34

Sample ID: 18G1037-81

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 8:44	KAL
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 8:44	KAL
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 8:44	KAL
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 8:44	KAL
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 8:44	KAL
Aroclor-1254 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 8:44	KAL
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 8:44	KAL
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 8:44	KAL
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 8:44	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		104	30-150					8/28/18 8:44	
Decachlorobiphenyl [2]		96.1	30-150					8/28/18 8:44	
Tetrachloro-m-xylene [1]		107	30-150					8/28/18 8:44	
Tetrachloro-m-xylene [2]		104	30-150					8/28/18 8:44	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-K-7 (7.5-9.5)

Sampled: 7/24/2018 13:34

Sample ID: 18G1037-81

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.4		% Wt	1		SM 2540G	8/31/18	9/1/18 8:45	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-K-7 (9.5-11.5)

Sampled: 7/24/2018 13:35

Sample ID: 18G1037-82

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 9:03	KAL
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 9:03	KAL
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 9:03	KAL
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 9:03	KAL
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 9:03	KAL
Aroclor-1254 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 9:03	KAL
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 9:03	KAL
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 9:03	KAL
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 9:03	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	97.1		30-150				8/28/18 9:03		
Decachlorobiphenyl [2]	92.5		30-150				8/28/18 9:03		
Tetrachloro-m-xylene [1]	92.0		30-150				8/28/18 9:03		
Tetrachloro-m-xylene [2]	91.3		30-150				8/28/18 9:03		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-K-7 (9.5-11.5)

Sampled: 7/24/2018 13:35

Sample ID: 18G1037-82

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.2		% Wt	1		SM 2540G	8/31/18	9/1/18 8:45	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-K-7 (11.5-13.5)

Sampled: 7/24/2018 13:36

Sample ID: 18G1037-83

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 9:21	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 9:21	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 9:21	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 9:21	KAL
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 9:21	KAL
Aroclor-1254 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 9:21	KAL
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 9:21	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 9:21	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 9:21	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		105	30-150					8/28/18 9:21	
Decachlorobiphenyl [2]		99.0	30-150					8/28/18 9:21	
Tetrachloro-m-xylene [1]		109	30-150					8/28/18 9:21	
Tetrachloro-m-xylene [2]		108	30-150					8/28/18 9:21	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-K-7 (11.5-13.5)

Sampled: 7/24/2018 13:36

Sample ID: 18G1037-83

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.5		% Wt	1		SM 2540G	8/31/18	9/1/18 8:45	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-K-5 (7.5-9.5)

Sampled: 7/24/2018 13:41

Sample ID: 18G1037-86

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 9:39	KAL
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 9:39	KAL
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 9:39	KAL
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 9:39	KAL
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 9:39	KAL
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 9:39	KAL
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 9:39	KAL
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 9:39	KAL
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 9:39	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		103	30-150					8/28/18 9:39	
Decachlorobiphenyl [2]		97.7	30-150					8/28/18 9:39	
Tetrachloro-m-xylene [1]		106	30-150					8/28/18 9:39	
Tetrachloro-m-xylene [2]		101	30-150					8/28/18 9:39	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-K-5 (7.5-9.5)

Sampled: 7/24/2018 13:41

Sample ID: 18G1037-86

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.0		% Wt	1		SM 2540G	8/31/18	9/1/18 8:46	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-K-5 (9.5-11.5)

Sampled: 7/24/2018 13:42

Sample ID: 18G1037-87

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 9:58	KAL
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 9:58	KAL
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 9:58	KAL
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 9:58	KAL
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 9:58	KAL
Aroclor-1254 [1]	0.16	0.092	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 9:58	KAL
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 9:58	KAL
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 9:58	KAL
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 9:58	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		102	30-150					8/28/18 9:58	
Decachlorobiphenyl [2]		86.3	30-150					8/28/18 9:58	
Tetrachloro-m-xylene [1]		105	30-150					8/28/18 9:58	
Tetrachloro-m-xylene [2]		101	30-150					8/28/18 9:58	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-K-5 (9.5-11.5)

Sampled: 7/24/2018 13:42

Sample ID: 18G1037-87

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.0		% Wt	1		SM 2540G	8/31/18	9/1/18 8:46	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-K-5 (11.5-13.5)

Sampled: 7/24/2018 13:43

Sample ID: 18G1037-88

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 10:16	KAL
Aroclor-1221 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 10:16	KAL
Aroclor-1232 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 10:16	KAL
Aroclor-1242 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 10:16	KAL
Aroclor-1248 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 10:16	KAL
Aroclor-1254 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 10:16	KAL
Aroclor-1260 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 10:16	KAL
Aroclor-1262 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 10:16	KAL
Aroclor-1268 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	8/3/18	8/28/18 10:16	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		106	30-150					8/28/18 10:16	
Decachlorobiphenyl [2]		99.2	30-150					8/28/18 10:16	
Tetrachloro-m-xylene [1]		109	30-150					8/28/18 10:16	
Tetrachloro-m-xylene [2]		108	30-150					8/28/18 10:16	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1037

Date Received: 7/25/2018

Field Sample #: B-K-5 (11.5-13.5)

Sampled: 7/24/2018 13:43

Sample ID: 18G1037-88

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.8		% Wt	1		SM 2540G	8/31/18	9/1/18 8:46	JFC

**Sample Extraction Data**

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18G1037-65 [B-L-8 (2.5-3.5)]	B209792	08/08/18

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18G1037-01 [B-O-9 (3.5-5.5)]	B211518	08/30/18
18G1037-02 [B-O-9 (5.5-7.5)]	B211518	08/30/18
18G1037-03 [B-O-9 (7.5-9.5)]	B211518	08/30/18
18G1037-04 [B-O-9 (9.5-11.5)]	B211518	08/30/18
18G1037-05 [B-O-10 (3.5-5.5)]	B211518	08/30/18
18G1037-06 [B-O-10 (5.5-7.5)]	B211518	08/30/18
18G1037-07 [B-O-10 (7.5-9.5)]	B211518	08/30/18
18G1037-08 [B-O-10 (9.5-11.5)]	B211518	08/30/18
18G1037-09 [B-N-9 (5.5-7.5)]	B211518	08/30/18
18G1037-10 [B-N-9 (7.5-9.5)]	B211518	08/30/18

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18G1037-11 [B-N-9 (9.5-11.5)]	B211565	08/31/18
18G1037-14 [B-N-8 (7.5-9.7)]	B211565	08/31/18
18G1037-15 [B-O-8 (11.5-13.5)]	B211565	08/31/18
18G1037-17 [B-O-7 (5.5-7.5)]	B211565	08/31/18
18G1037-18 [B-O-7 (7.5-9.5)]	B211565	08/31/18
18G1037-19 [B-O-7 (9.5-11.5)]	B211565	08/31/18
18G1037-20 [B-O-5 (3.5-5.5)]	B211565	08/31/18
18G1037-21 [B-O-5 (5.5-7.5)]	B211565	08/31/18
18G1037-22 [B-O-3 (3.5-5.5)]	B211565	08/31/18
18G1037-23 [B-O-3 (5.5-7.5)]	B211565	08/31/18
18G1037-24 [B-O-3 (7.5-9.5)]	B211565	08/31/18
18G1037-25 [B-M-3 (3.5-5.5)]	B211565	08/31/18
18G1037-26 [B-M-3 (5.5-7.5)]	B211565	08/31/18
18G1037-27 [B-M-1 (3.5-5.5)]	B211565	08/31/18
18G1037-28 [B-M-1 (5.5-7.5)]	B211565	08/31/18
18G1037-29 [B-M-5 (3.5-5.5)]	B211565	08/31/18
18G1037-30 [B-M-5 (5.5-7.5)]	B211565	08/31/18
18G1037-31 [B-M-7 (3.5-5.5)]	B211565	08/31/18
18G1037-32 [B-M-7 (5.5-7.5)]	B211565	08/31/18
18G1037-33 [B-M-7 (7.5-9.5)]	B211565	08/31/18
18G1037-34 [B-M-7 (9.5-11.5)]	B211565	08/31/18
18G1037-35 [B-M-7 (11.5-13.5)]	B211565	08/31/18
18G1037-37 [B-M-8 (5.5-7.5)]	B211565	08/31/18
18G1037-38 [B-M-8 (7.5-9.5)]	B211565	08/31/18
18G1037-39 [B-M-8 (9.5-11.5)]	B211565	08/31/18
18G1037-40 [B-M-9 (3.5-5.5)]	B211565	08/31/18
18G1037-41 [B-M-9 (5.5-7.5)]	B211565	08/31/18
18G1037-42 [B-M-9 (9.5-11.5)]	B211565	08/31/18
18G1037-43 [B-M-10 (3.5-5.5)]	B211565	08/31/18
18G1037-44 [B-M-10 (5.5-7.5)]	B211565	08/31/18
18G1037-45 [B-M-10 (7.5-9.5)]	B211565	08/31/18
18G1037-46 [B-M-10 (9.5-11.5)]	B211565	08/31/18
18G1037-47 [B-M-11 (3.5-5.5)]	B211565	08/31/18
18G1037-48 [B-M-11 (5.5-7.5)]	B211565	08/31/18

**Sample Extraction Data**

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18G1037-49 [B-M-11 (7.5-9.5)]	B211565	08/31/18
18G1037-50 [B-M-11 (9.5-11.5)]	B211565	08/31/18
18G1037-51 [B-N-10 (3.5-5.5)]	B211565	08/31/18
18G1037-52 [B-N-10 (5.5-7.5)]	B211565	08/31/18
18G1037-53 [B-N-11 (7.5-9.5)]	B211565	08/31/18
18G1037-54 [B-N-11 (9.5-11.5)]	B211565	08/31/18
18G1037-55 [B-N-9 (3.5-5.5)]	B211565	08/31/18
18G1037-56 [B-N-8 (9.5-11.5)]	B211565	08/31/18
18G1037-59 [B-N-7 (7.5-9.5)]	B211565	08/31/18
18G1037-60 [B-N-7 (9.5-11.5)]	B211565	08/31/18
18G1037-61 [B-L-9 (3.5-5.5)]	B211565	08/31/18
18G1037-62 [B-L-9 (5.5-7.5)]	B211565	08/31/18
18G1037-63 [B-L-9 (7.5-9.5)]	B211565	08/31/18
18G1037-64 [B-L-9 (9.5-11.5)]	B211565	08/31/18
18G1037-66 [B-L-8 (3.5-5.5)]	B211565	08/31/18
18G1037-67 [B-L-8 (5.5-7.5)]	B211565	08/31/18
18G1037-68 [B-L-8 (7.5-9.5)]	B211565	08/31/18
18G1037-69 [B-L-8 (9.5-11.5)]	B211565	08/31/18
18G1037-70 [B-K-11 (3.5-5.5)]	B211565	08/31/18
18G1037-71 [B-K-11 (5.5-7.5)]	B211565	08/31/18
18G1037-72 [B-K-11 (7.5-9.5)]	B211565	08/31/18
18G1037-73 [B-K-11(9.5-11.5)]	B211565	08/31/18
18G1037-74 [B-K-9 (3.5-5.5)]	B211565	08/31/18
18G1037-75 [B-K-9 (5.5-7.5)]	B211565	08/31/18
18G1037-76 [B-K-9 (7.5-9.5)]	B211565	08/31/18
18G1037-77 [B-K-9 (9.5-11.5)]	B211565	08/31/18
18G1037-81 [B-K-7 (7.5-9.5)]	B211565	08/31/18
18G1037-82 [B-K-7 (9.5-11.5)]	B211565	08/31/18
18G1037-83 [B-K-7 (11.5-13.5)]	B211565	08/31/18
18G1037-86 [B-K-5 (7.5-9.5)]	B211565	08/31/18
18G1037-87 [B-K-5 (9.5-11.5)]	B211565	08/31/18
18G1037-88 [B-K-5 (11.5-13.5)]	B211565	08/31/18

**Prep Method: SW-846 3051-SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1037-21 [B-O-5 (5.5-7.5)]	B211573	1.56	50.0	08/31/18
18G1037-73 [B-K-11(9.5-11.5)]	B211573	1.53	50.0	08/31/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1037-01 [B-O-9 (3.5-5.5)]	B209428	10.0	10.0	08/02/18
18G1037-02 [B-O-9 (5.5-7.5)]	B209428	10.0	10.0	08/02/18
18G1037-03 [B-O-9 (7.5-9.5)]	B209428	10.2	10.0	08/02/18
18G1037-04 [B-O-9 (9.5-11.5)]	B209428	10.0	10.0	08/02/18
18G1037-05 [B-O-10 (3.5-5.5)]	B209428	10.0	10.0	08/02/18
18G1037-06 [B-O-10 (5.5-7.5)]	B209428	10.0	10.0	08/02/18
18G1037-07 [B-O-10 (7.5-9.5)]	B209428	10.0	10.0	08/02/18
18G1037-08 [B-O-10 (9.5-11.5)]	B209428	10.0	10.0	08/02/18
18G1037-09 [B-N-9 (5.5-7.5)]	B209428	10.0	10.0	08/02/18
18G1037-10 [B-N-9 (7.5-9.5)]	B209428	10.0	10.0	08/02/18
18G1037-11 [B-N-9 (9.5-11.5)]	B209428	10.0	10.0	08/02/18

**Sample Extraction Data**

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1037-14 [B-N-8 (7.5-9.7)]	B209428	10.0	10.0	08/02/18
18G1037-15 [B-O-8 (11.5-13.5)]	B209428	10.0	10.0	08/02/18
18G1037-16 [B-O-7 (3.5-5.5)]	B209428	10.0	10.0	08/02/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1037-17 [B-O-7 (5.5-7.5)]	B209429	10.9	10.0	08/03/18
18G1037-18 [B-O-7 (7.5-9.5)]	B209429	10.2	10.0	08/03/18
18G1037-19 [B-O-7 (9.5-11.5)]	B209429	10.0	10.0	08/03/18
18G1037-20 [B-O-5 (3.5-5.5)]	B209429	10.7	10.0	08/03/18
18G1037-21 [B-O-5 (5.5-7.5)]	B209429	10.1	10.0	08/03/18
18G1037-22 [B-O-3 (3.5-5.5)]	B209429	10.7	10.0	08/03/18
18G1037-23 [B-O-3 (5.5-7.5)]	B209429	10.0	10.0	08/03/18
18G1037-24 [B-O-3 (7.5-9.5)]	B209429	10.3	10.0	08/03/18
18G1037-25 [B-M-3 (3.5-5.5)]	B209429	10.8	10.0	08/03/18
18G1037-26 [B-M-3 (5.5-7.5)]	B209429	10.2	10.0	08/03/18
18G1037-27 [B-M-1 (3.5-5.5)]	B209429	10.4	10.0	08/03/18
18G1037-28 [B-M-1 (5.5-7.5)]	B209429	10.1	10.0	08/03/18
18G1037-29 [B-M-5 (3.5-5.5)]	B209429	10.5	10.0	08/03/18
18G1037-30 [B-M-5 (5.5-7.5)]	B209429	10.7	10.0	08/03/18
18G1037-31 [B-M-7 (3.5-5.5)]	B209429	10.5	10.0	08/03/18
18G1037-32 [B-M-7 (5.5-7.5)]	B209429	10.9	10.0	08/03/18
18G1037-33 [B-M-7 (7.5-9.5)]	B209429	10.2	10.0	08/03/18
18G1037-34 [B-M-7 (9.5-11.5)]	B209429	10.3	10.0	08/03/18
18G1037-35 [B-M-7 (11.5-13.5)]	B209429	10.6	10.0	08/03/18
18G1037-36 [B-M-8 (3.5-5.5)]	B209429	10.9	10.0	08/03/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1037-37 [B-M-8 (5.5-7.5)]	B209430	10.0	10.0	08/03/18
18G1037-38 [B-M-8 (7.5-9.5)]	B209430	10.0	10.0	08/03/18
18G1037-39 [B-M-8 (9.5-11.5)]	B209430	10.0	10.0	08/03/18
18G1037-40 [B-M-9 (3.5-5.5)]	B209430	10.0	10.0	08/03/18
18G1037-41 [B-M-9 (5.5-7.5)]	B209430	10.0	10.0	08/03/18
18G1037-42 [B-M-9 (9.5-11.5)]	B209430	10.0	10.0	08/03/18
18G1037-43 [B-M-10 (3.5-5.5)]	B209430	10.0	10.0	08/03/18
18G1037-44 [B-M-10 (5.5-7.5)]	B209430	10.0	10.0	08/03/18
18G1037-45 [B-M-10 (7.5-9.5)]	B209430	10.3	10.0	08/03/18
18G1037-46 [B-M-10 (9.5-11.5)]	B209430	10.0	10.0	08/03/18
18G1037-47 [B-M-11 (3.5-5.5)]	B209430	10.0	10.0	08/03/18
18G1037-48 [B-M-11 (5.5-7.5)]	B209430	10.0	10.0	08/03/18
18G1037-49 [B-M-11 (7.5-9.5)]	B209430	10.0	10.0	08/03/18
18G1037-50 [B-M-11 (9.5-11.5)]	B209430	10.0	10.0	08/03/18
18G1037-51 [B-N-10 (3.5-5.5)]	B209430	10.0	10.0	08/03/18
18G1037-52 [B-N-10 (5.5-7.5)]	B209430	10.0	10.0	08/03/18
18G1037-53 [B-N-11 (7.5-9.5)]	B209430	10.0	10.0	08/03/18
18G1037-54 [B-N-11 (9.5-11.5)]	B209430	10.0	10.0	08/03/18
18G1037-55 [B-N-9 (3.5-5.5)]	B209430	10.0	10.0	08/03/18
18G1037-56 [B-N-8 (9.5-11.5)]	B209430	10.0	10.0	08/03/18

**Sample Extraction Data**

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1037-59 [B-N-7 (7.5-9.5)]	B209431	10.2	10.0	08/03/18
18G1037-60 [B-N-7 (9.5-11.5)]	B209431	10.7	10.0	08/03/18
18G1037-61 [B-L-9 (3.5-5.5)]	B209431	10.3	10.0	08/03/18
18G1037-62 [B-L-9 (5.5-7.5)]	B209431	10.5	10.0	08/03/18
18G1037-63 [B-L-9 (7.5-9.5)]	B209431	10.3	10.0	08/03/18
18G1037-64 [B-L-9 (9.5-11.5)]	B209431	10.5	10.0	08/03/18
18G1037-65 [B-L-8 (2.5-3.5)]	B209431	10.2	10.0	08/03/18
18G1037-66 [B-L-8 (3.5-5.5)]	B209431	10.4	10.0	08/03/18
18G1037-67 [B-L-8 (5.5-7.5)]	B209431	10.2	10.0	08/03/18
18G1037-68 [B-L-8 (7.5-9.5)]	B209431	10.5	10.0	08/03/18
18G1037-69 [B-L-8 (9.5-11.5)]	B209431	10.5	10.0	08/03/18
18G1037-70 [B-K-11 (3.5-5.5)]	B209431	10.4	10.0	08/03/18
18G1037-71 [B-K-11 (5.5-7.5)]	B209431	10.6	10.0	08/03/18
18G1037-72 [B-K-11 (7.5-9.5)]	B209431	10.3	10.0	08/03/18
18G1037-73 [B-K-11(9.5-11.5)]	B209431	10.4	10.0	08/03/18
18G1037-74 [B-K-9 (3.5-5.5)]	B209431	10.5	10.0	08/03/18
18G1037-75 [B-K-9 (5.5-7.5)]	B209431	10.4	10.0	08/03/18
18G1037-76 [B-K-9 (7.5-9.5)]	B209431	10.5	10.0	08/03/18
18G1037-77 [B-K-9 (9.5-11.5)]	B209431	10.6	10.0	08/03/18
18G1037-78 [B-K-9 (11.5-13.5)]	B209431	10.7	10.0	08/03/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1037-81 [B-K-7 (7.5-9.5)]	B209433	10.6	10.0	08/03/18
18G1037-82 [B-K-7 (9.5-11.5)]	B209433	10.3	10.0	08/03/18
18G1037-83 [B-K-7 (11.5-13.5)]	B209433	10.1	10.0	08/03/18
18G1037-86 [B-K-5 (7.5-9.5)]	B209433	10.3	10.0	08/03/18
18G1037-87 [B-K-5 (9.5-11.5)]	B209433	10.3	10.0	08/03/18
18G1037-88 [B-K-5 (11.5-13.5)]	B209433	10.5	10.0	08/03/18

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209428 - SW-846 3540C</b>										
<b>Blank (B209428-BLK1)</b>										
Prepared: 08/02/18 Analyzed: 08/27/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.227		mg/Kg wet	0.200		114	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.233		mg/Kg wet	0.200		116	30-150			
Surrogate: Tetrachloro-m-xylene	0.203		mg/Kg wet	0.200		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.200		mg/Kg wet	0.200		100	30-150			
<b>LCS (B209428-BS1)</b>										
Prepared: 08/02/18 Analyzed: 08/27/18										
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		96.3	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		97.1	40-140			
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		90.4	40-140			
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		94.4	40-140			
Surrogate: Decachlorobiphenyl	0.203		mg/Kg wet	0.200		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.209		mg/Kg wet	0.200		104	30-150			
Surrogate: Tetrachloro-m-xylene	0.192		mg/Kg wet	0.200		96.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.195		mg/Kg wet	0.200		97.5	30-150			
<b>LCS Dup (B209428-BSD1)</b>										
Prepared: 08/02/18 Analyzed: 08/27/18										
Aroclor-1016	0.21	0.020	mg/Kg wet	0.200		105	40-140	8.86	30	
Aroclor-1016 [2C]	0.21	0.020	mg/Kg wet	0.200		106	40-140	9.18	30	
Aroclor-1260	0.20	0.020	mg/Kg wet	0.200		102	40-140	11.9	30	
Aroclor-1260 [2C]	0.21	0.020	mg/Kg wet	0.200		105	40-140	10.2	30	
Surrogate: Decachlorobiphenyl	0.227		mg/Kg wet	0.200		113	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.233		mg/Kg wet	0.200		117	30-150			
Surrogate: Tetrachloro-m-xylene	0.207		mg/Kg wet	0.200		104	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.210		mg/Kg wet	0.200		105	30-150			



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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209429 - SW-846 3540C</b>										
<b>Blank (B209429-BLK1)</b>										
Prepared: 08/03/18 Analyzed: 08/30/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.215		mg/Kg wet	0.200		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.254		mg/Kg wet	0.200		127	30-150			
Surrogate: Tetrachloro-m-xylene	0.192		mg/Kg wet	0.200		95.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.218		mg/Kg wet	0.200		109	30-150			
<b>LCS (B209429-BS1)</b>										
Prepared: 08/03/18 Analyzed: 08/30/18										
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		95.0	40-140			
Aroclor-1016 [2C]	0.21	0.020	mg/Kg wet	0.200		106	40-140			
Aroclor-1260	0.19	0.020	mg/Kg wet	0.200		96.5	40-140			
Aroclor-1260 [2C]	0.21	0.020	mg/Kg wet	0.200		106	40-140			
Surrogate: Decachlorobiphenyl	0.219		mg/Kg wet	0.200		109	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.261		mg/Kg wet	0.200		131	30-150			
Surrogate: Tetrachloro-m-xylene	0.189		mg/Kg wet	0.200		94.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.216		mg/Kg wet	0.200		108	30-150			
<b>LCS Dup (B209429-BSD1)</b>										
Prepared: 08/03/18 Analyzed: 08/30/18										
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		96.1	40-140	1.13	30	
Aroclor-1016 [2C]	0.21	0.020	mg/Kg wet	0.200		107	40-140	1.47	30	
Aroclor-1260	0.19	0.020	mg/Kg wet	0.200		95.9	40-140	0.646	30	
Aroclor-1260 [2C]	0.21	0.020	mg/Kg wet	0.200		105	40-140	1.05	30	
Surrogate: Decachlorobiphenyl	0.210		mg/Kg wet	0.200		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.251		mg/Kg wet	0.200		125	30-150			
Surrogate: Tetrachloro-m-xylene	0.193		mg/Kg wet	0.200		96.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.221		mg/Kg wet	0.200		111	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209429 - SW-846 3540C</b>										
<b>Matrix Spike (B209429-MS1)</b>										
		<b>Source: 18G1037-17</b>			Prepared: 08/03/18 Analyzed: 08/30/18					
Aroclor-1016	0.15	0.091	mg/Kg dry	0.227	ND	65.7	40-140			
Aroclor-1016 [2C]	0.18	0.091	mg/Kg dry	0.227	ND	80.0	40-140			
Aroclor-1260	0.16	0.091	mg/Kg dry	0.227	ND	68.7	40-140			
Aroclor-1260 [2C]	0.18	0.091	mg/Kg dry	0.227	ND	80.3	40-140			
Surrogate: Decachlorobiphenyl	0.135		mg/Kg dry	0.227		59.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.143		mg/Kg dry	0.227		62.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.133		mg/Kg dry	0.227		58.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.128		mg/Kg dry	0.227		56.5	30-150			
<b>Matrix Spike Dup (B209429-MSD1)</b>										
		<b>Source: 18G1037-17</b>			Prepared: 08/03/18 Analyzed: 08/30/18					
Aroclor-1016	0.19	0.089	mg/Kg dry	0.223	ND	86.9	40-140	25.9	50	
Aroclor-1016 [2C]	0.20	0.089	mg/Kg dry	0.223	ND	91.1	40-140	11.0	50	
Aroclor-1260	0.18	0.089	mg/Kg dry	0.223	ND	79.6	40-140	12.7	50	
Aroclor-1260 [2C]	0.19	0.089	mg/Kg dry	0.223	ND	85.7	40-140	4.52	50	
Surrogate: Decachlorobiphenyl	0.179		mg/Kg dry	0.223		80.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.190		mg/Kg dry	0.223		85.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.180		mg/Kg dry	0.223		80.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.171		mg/Kg dry	0.223		76.7	30-150			
<b>Batch B209430 - SW-846 3540C</b>										
<b>Blank (B209430-BLK1)</b>										
		Prepared: 08/03/18 Analyzed: 08/30/18								
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.218		mg/Kg wet	0.200		109	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.213		mg/Kg wet	0.200		107	30-150			
Surrogate: Tetrachloro-m-xylene	0.213		mg/Kg wet	0.200		106	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.191		mg/Kg wet	0.200		95.5	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B209430 - SW-846 3540C**

**LCS (B209430-BS1)**

Prepared: 08/03/18 Analyzed: 08/30/18

Aroclor-1016	0.20	0.020	mg/Kg wet	0.200		100	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		92.6	40-140			
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		90.4	40-140			
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.200		87.5	40-140			
Surrogate: Decachlorobiphenyl	0.221		mg/Kg wet	0.200		111	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.221		mg/Kg wet	0.200		110	30-150			
Surrogate: Tetrachloro-m-xylene	0.216		mg/Kg wet	0.200		108	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.198		mg/Kg wet	0.200		99.1	30-150			

**LCS Dup (B209430-BS1)**

Prepared: 08/03/18 Analyzed: 08/30/18

Aroclor-1016	0.20	0.020	mg/Kg wet	0.200		98.8	40-140	1.43	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		92.5	40-140	0.136	30	
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		90.2	40-140	0.238	30	
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		86.4	40-140	1.27	30	
Surrogate: Decachlorobiphenyl	0.216		mg/Kg wet	0.200		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.217		mg/Kg wet	0.200		108	30-150			
Surrogate: Tetrachloro-m-xylene	0.212		mg/Kg wet	0.200		106	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.193		mg/Kg wet	0.200		96.7	30-150			

**Matrix Spike (B209430-MS1)**

**Source: 18G1037-37**

Prepared: 08/03/18 Analyzed: 08/30/18

Aroclor-1016	0.26	0.091	mg/Kg dry	0.227	ND	115	40-140			
Aroclor-1016 [2C]	0.24	0.091	mg/Kg dry	0.227	ND	104	40-140			
Aroclor-1260	0.22	0.091	mg/Kg dry	0.227	ND	98.6	40-140			
Aroclor-1260 [2C]	0.20	0.091	mg/Kg dry	0.227	ND	89.4	40-140			
Surrogate: Decachlorobiphenyl	0.226		mg/Kg dry	0.227		99.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.229		mg/Kg dry	0.227		101	30-150			
Surrogate: Tetrachloro-m-xylene	0.241		mg/Kg dry	0.227		106	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.224		mg/Kg dry	0.227		98.7	30-150			

**Matrix Spike Dup (B209430-MSD1)**

**Source: 18G1037-37**

Prepared: 08/03/18 Analyzed: 08/30/18

Aroclor-1016	0.22	0.091	mg/Kg dry	0.227	ND	99.1	40-140	14.9	50	
Aroclor-1016 [2C]	0.20	0.091	mg/Kg dry	0.227	ND	89.6	40-140	14.9	50	
Aroclor-1260	0.19	0.091	mg/Kg dry	0.227	ND	83.2	40-140	16.9	50	
Aroclor-1260 [2C]	0.17	0.091	mg/Kg dry	0.227	ND	75.9	40-140	16.3	50	
Surrogate: Decachlorobiphenyl	0.202		mg/Kg dry	0.227		89.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.206		mg/Kg dry	0.227		91.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.215		mg/Kg dry	0.227		94.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.198		mg/Kg dry	0.227		87.2	30-150			

**Batch B209431 - SW-846 3540C**

**Blank (B209431-BLK1)**

Prepared: 08/03/18 Analyzed: 08/08/18

Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							

**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209431 - SW-846 3540C</b>										
<b>Blank (B209431-BLK1)</b>										
Prepared: 08/03/18 Analyzed: 08/08/18										
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.190		mg/Kg wet	0.200		94.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.197		mg/Kg wet	0.200		98.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.165		mg/Kg wet	0.200		82.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.157		mg/Kg wet	0.200		78.5	30-150			
<b>LCS (B209431-BS1)</b>										
Prepared: 08/03/18 Analyzed: 08/08/18										
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		86.2	40-140			
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		89.2	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		81.4	40-140			
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.200		89.6	40-140			
Surrogate: Decachlorobiphenyl	0.194		mg/Kg wet	0.200		97.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.202		mg/Kg wet	0.200		101	30-150			
Surrogate: Tetrachloro-m-xylene	0.173		mg/Kg wet	0.200		86.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.164		mg/Kg wet	0.200		82.2	30-150			
<b>LCS Dup (B209431-BSD1)</b>										
Prepared: 08/03/18 Analyzed: 08/08/18										
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		81.1	40-140	6.08	30	
Aroclor-1016 [2C]	0.16	0.020	mg/Kg wet	0.200		80.5	40-140	10.3	30	
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		79.8	40-140	2.02	30	
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.200		88.4	40-140	1.30	30	
Surrogate: Decachlorobiphenyl	0.197		mg/Kg wet	0.200		98.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.206		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene	0.156		mg/Kg wet	0.200		78.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.148		mg/Kg wet	0.200		74.1	30-150			
<b>Matrix Spike (B209431-MS1)</b>										
<b>Source: 18G1037-60</b>										
Prepared: 08/03/18 Analyzed: 08/25/18										
Aroclor-1016	0.20	0.085	mg/Kg dry	0.212	ND	93.3	40-140			
Aroclor-1016 [2C]	0.19	0.085	mg/Kg dry	0.212	ND	88.7	40-140			
Aroclor-1260	0.17	0.085	mg/Kg dry	0.212	ND	80.8	40-140			
Aroclor-1260 [2C]	0.17	0.085	mg/Kg dry	0.212	ND	81.2	40-140			
Surrogate: Decachlorobiphenyl	0.178		mg/Kg dry	0.212		83.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.172		mg/Kg dry	0.212		81.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.183		mg/Kg dry	0.212		86.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.174		mg/Kg dry	0.212		81.8	30-150			
<b>Matrix Spike Dup (B209431-MSD1)</b>										
<b>Source: 18G1037-60</b>										
Prepared: 08/03/18 Analyzed: 08/25/18										
Aroclor-1016	0.18	0.085	mg/Kg dry	0.212	ND	83.0	40-140	11.7	50	
Aroclor-1016 [2C]	0.16	0.085	mg/Kg dry	0.212	ND	73.3	40-140	19.0	50	
Aroclor-1260	0.13	0.085	mg/Kg dry	0.212	ND	63.0	40-140	24.8	50	
Aroclor-1260 [2C]	0.13	0.085	mg/Kg dry	0.212	ND	62.8	40-140	25.6	50	
Surrogate: Decachlorobiphenyl	0.134		mg/Kg dry	0.212		63.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.131		mg/Kg dry	0.212		61.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.162		mg/Kg dry	0.212		76.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.153		mg/Kg dry	0.212		72.1	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209433 - SW-846 3540C</b>										
<b>Blank (B209433-BLK1)</b>										
Prepared: 08/03/18 Analyzed: 08/28/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.190		mg/Kg wet	0.200		94.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.172		mg/Kg wet	0.200		86.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.198		mg/Kg wet	0.200		99.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.193		mg/Kg wet	0.200		96.3	30-150			
<b>LCS (B209433-BS1)</b>										
Prepared: 08/03/18 Analyzed: 08/28/18										
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		92.8	40-140			
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		89.5	40-140			
Aroclor-1260	0.19	0.020	mg/Kg wet	0.200		94.2	40-140			
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.200		88.5	40-140			
Surrogate: Decachlorobiphenyl	0.212		mg/Kg wet	0.200		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.194		mg/Kg wet	0.200		97.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.188		mg/Kg wet	0.200		93.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.183		mg/Kg wet	0.200		91.3	30-150			
<b>LCS Dup (B209433-BSD1)</b>										
Prepared: 08/03/18 Analyzed: 08/28/18										
Aroclor-1016	0.21	0.020	mg/Kg wet	0.200		105	40-140	11.9	30	
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		99.7	40-140	10.9	30	
Aroclor-1260	0.19	0.020	mg/Kg wet	0.200		96.4	40-140	2.36	30	
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.200		91.8	40-140	3.68	30	
Surrogate: Decachlorobiphenyl	0.214		mg/Kg wet	0.200		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.196		mg/Kg wet	0.200		98.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.215		mg/Kg wet	0.200		108	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.208		mg/Kg wet	0.200		104	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B209433 - SW-846 3540C**

**Matrix Spike (B209433-MS1)**

**Source: 18G1037-83**

Prepared: 08/03/18 Analyzed: 08/28/18

Aroclor-1016	0.23	0.081	mg/Kg dry	0.204	ND	114	40-140			
Aroclor-1016 [2C]	0.23	0.081	mg/Kg dry	0.204	ND	111	40-140			
Aroclor-1260	0.22	0.081	mg/Kg dry	0.204	ND	110	40-140			
Aroclor-1260 [2C]	0.21	0.081	mg/Kg dry	0.204	ND	102	40-140			
Surrogate: Decachlorobiphenyl	0.223		mg/Kg dry	0.204		109	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.209		mg/Kg dry	0.204		103	30-150			
Surrogate: Tetrachloro-m-xylene	0.212		mg/Kg dry	0.204		104	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.208		mg/Kg dry	0.204		102	30-150			

**Matrix Spike Dup (B209433-MSD1)**

**Source: 18G1037-83**

Prepared: 08/03/18 Analyzed: 08/28/18

Aroclor-1016	0.23	0.081	mg/Kg dry	0.204	ND	114	40-140	0.107	50	
Aroclor-1016 [2C]	0.22	0.081	mg/Kg dry	0.204	ND	107	40-140	3.65	50	
Aroclor-1260	0.22	0.081	mg/Kg dry	0.204	ND	106	40-140	3.81	50	
Aroclor-1260 [2C]	0.20	0.081	mg/Kg dry	0.204	ND	97.9	40-140	4.31	50	
Surrogate: Decachlorobiphenyl	0.215		mg/Kg dry	0.204		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.200		mg/Kg dry	0.204		98.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.203		mg/Kg dry	0.204		99.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.199		mg/Kg dry	0.204		97.7	30-150			

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**QUALITY CONTROL**

**Metals Analyses (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B211573 - SW-846 3051</b>										
<b>Blank (B211573-BLK1)</b>										
										Prepared & Analyzed: 08/31/18
Lead	ND	0.50	mg/Kg wet							
<b>LCS (B211573-BS1)</b>										
										Prepared & Analyzed: 08/31/18
Lead	112	1.5	mg/Kg wet	111		101	83-117.1			
<b>LCS Dup (B211573-BSD1)</b>										
										Prepared & Analyzed: 08/31/18
Lead	120	1.4	mg/Kg wet	111		108	83-117.1	6.68	30	
<b>Duplicate (B211573-DUP1)</b>										
										Source: 18G1037-21 Prepared: 08/31/18 Analyzed: 09/02/18
Lead	5.80	0.54	mg/Kg dry			5.32		8.68	35	
<b>MRL Check (B211573-MRL1)</b>										
										Prepared & Analyzed: 08/31/18
Lead	0.495	0.49	mg/Kg wet	0.493		101	80-120			
<b>Matrix Spike (B211573-MS1)</b>										
										Source: 18G1037-21 Prepared: 08/31/18 Analyzed: 09/02/18
Lead	24.1	0.54	mg/Kg dry	18.0		5.32	104	75-125		

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**QUALITY CONTROL**

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B211518 - % Solids</b>										
<b>Blank (B211518-BLK1)</b>					Prepared: 08/30/18 Analyzed: 08/31/18					
% Solids	0.00		% Wt							
<b>Blank (B211518-BLK2)</b>					Prepared: 08/30/18 Analyzed: 08/31/18					
% Solids	0.00		% Wt							
<b>Blank (B211518-BLK3)</b>					Prepared: 08/30/18 Analyzed: 08/31/18					
% Solids	0.00		% Wt							
<b>Duplicate (B211518-DUP1)</b>		<b>Source: 18G1037-01</b>			Prepared: 08/30/18 Analyzed: 08/31/18					
% Solids	98.0		% Wt		96.8			1.22	20	
<b>Duplicate (B211518-DUP2)</b>		<b>Source: 18G1037-02</b>			Prepared: 08/30/18 Analyzed: 08/31/18					
% Solids	97.8		% Wt		97.8			0.0703	20	
<b>Batch B211565 - % Solids</b>										
<b>Duplicate (B211565-DUP1)</b>		<b>Source: 18G1037-11</b>			Prepared: 08/31/18 Analyzed: 09/01/18					
% Solids	91.4		% Wt		90.8			0.650	20	
<b>Duplicate (B211565-DUP2)</b>		<b>Source: 18G1037-28</b>			Prepared: 08/31/18 Analyzed: 09/01/18					
% Solids	95.2		% Wt		95.4			0.233	20	
<b>Duplicate (B211565-DUP3)</b>		<b>Source: 18G1037-40</b>			Prepared: 08/31/18 Analyzed: 09/01/18					
% Solids	93.7		% Wt		93.0			0.786	20	
<b>Duplicate (B211565-DUP4)</b>		<b>Source: 18G1037-55</b>			Prepared: 08/31/18 Analyzed: 09/01/18					
% Solids	90.3		% Wt		90.3			0.0177	20	
<b>Duplicate (B211565-DUP5)</b>		<b>Source: 18G1037-67</b>			Prepared: 08/31/18 Analyzed: 09/01/18					
% Solids	89.2		% Wt		88.9			0.344	20	
<b>Duplicate (B211565-DUP6)</b>		<b>Source: 18G1037-76</b>			Prepared: 08/31/18 Analyzed: 09/01/18					
% Solids	83.0		% Wt		84.5			1.80	20	
<b>Duplicate (B211565-DUP7)</b>		<b>Source: 18G1037-88</b>			Prepared: 08/31/18 Analyzed: 09/01/18					
% Solids	94.9		% Wt		94.8			0.111	20	



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-N-9 (7.5-9.5)**

*SW-846 8082A*

Lab Sample ID: 18G1037-10 Date(s) Analyzed: 08/27/2018 08/27/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.13	
	2	0.000	-0.030	0.030	0.14	7.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-O-3 (3.5-5.5)**

Lab Sample ID: 18G1037-22 Date(s) Analyzed: 08/30/2018 08/30/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.82	
	2	0.000	-0.030	0.030	0.81	1.2

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-M-3 (5.5-7.5)**

Lab Sample ID: 18G1037-26 Date(s) Analyzed: 08/30/2018 08/30/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.41	
	2	0.000	-0.030	0.030	0.42	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-M-11 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18G1037-47 Date(s) Analyzed: 08/30/2018 08/30/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.13	
	2	0.000	-0.030	0.030	0.11	16.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-L-9 (3.5-5.5)**

Lab Sample ID: 18G1037-61 Date(s) Analyzed: 08/25/2018 08/25/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.14	
	2	0.000	-0.030	0.030	0.17	19.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-K-9 (5.5-7.5)**

Lab Sample ID: 18G1037-75 Date(s) Analyzed: 08/25/2018 08/25/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.6	
	2	0.000	-0.030	0.030	1.5	6.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-K-5 (9.5-11.5)**

*SW-846 8082A*

Lab Sample ID: 18G1037-87 Date(s) Analyzed: 08/28/2018 08/28/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.15	6.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS

*SW-846 8082A*

Lab Sample ID:                   B209428-BS1                                        Date(s) Analyzed:           08/27/2018                     08/27/2018          

Instrument ID (1):                   ECD10                                        Instrument ID (2):                   ECD10                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.19	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.19	5.4



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**LCS Dup**

*SW-846 8082A*

Lab Sample ID:                   B209428-BSD1                                        Date(s) Analyzed:           08/27/2018                     08/27/2018          

Instrument ID (1):                   ECD10                                        Instrument ID (2):                   ECD10                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.21	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.21	4.9

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS

*SW-846 8082A*

Lab Sample ID:           B209429-BS1                                Date(s) Analyzed:           08/30/2018                     08/30/2018          

Instrument ID (1):           ECD1                                                Instrument ID (2):           ECD1          

GC Column (1):                                      ID:                      (mm)                      GC Column (2):                                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.21	10.0
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.21	10.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

<b>LCS Dup</b>
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Lab Sample ID:                     B209429-BSD1                                          Date(s) Analyzed:           08/30/2018                     08/30/2018          

Instrument ID (1):                     ECD1                                          Instrument ID (2):                     ECD1                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.21	10.0
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.21	10.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike**

*SW-846 8082A*

Lab Sample ID:                   B209429-MS1                                        Date(s) Analyzed:           08/30/2018                     08/30/2018          

Instrument ID (1):                   ECD1                                        Instrument ID (2):                   ECD1                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.15	
	2	0.000	-0.030	0.030	0.18	18.2
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.18	11.8

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike Dup**

*SW-846 8082A*

Lab Sample ID:                   B209429-MSD1                                        Date(s) Analyzed:           08/30/2018                     08/30/2018          

Instrument ID (1):                   ECD1                                        Instrument ID (2):                   ECD1                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.20	5.1
Aroclor-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.19	5.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS

*SW-846 8082A*

Lab Sample ID:                     B209430-BS1                                          Date(s) Analyzed:           08/30/2018                     08/30/2018          

Instrument ID (1):                     ECD5                                          Instrument ID (2):                     ECD5                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.19	5.1
Aroclor-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.18	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

*SW-846 8082A*

Lab Sample ID:                   B209430-BSD1                                        Date(s) Analyzed:           08/30/2018                     08/30/2018          

Instrument ID (1):                   ECD5                                        Instrument ID (2):                   ECD5                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.18	10.5
Aroclor-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.17	5.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**Matrix Spike**

Lab Sample ID: B209430-MS1 Date(s) Analyzed: 08/30/2018 08/30/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.26	
	2	0.000	-0.030	0.030	0.24	8.0
Aroclor-1260	1	0.000	-0.030	0.030	0.22	
	2	0.000	-0.030	0.030	0.20	9.5



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike Dup**

*SW-846 8082A*

Lab Sample ID:                   B209430-MSD1                                        Date(s) Analyzed:           08/30/2018                     08/30/2018          

Instrument ID (1):                   ECD5                                                        Instrument ID (2):                   ECD5                  

GC Column (1):                                      ID:                                      (mm)                      GC Column (2):                                      ID:                                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.22	
	2	0.000	-0.030	0.030	0.20	14.0
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.17	11.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

<b>LCS</b>
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*SW-846 8082A*

Lab Sample ID:                   B209431-BS1                                        Date(s) Analyzed:           08/08/2018                     08/08/2018          

Instrument ID (1):                   ECD5                                        Instrument ID (2):                   ECD5                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.18	5.7
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.18	11.8

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

*SW-846 8082A*

Lab Sample ID:                     B209431-BSD1                                          Date(s) Analyzed:           08/08/2018                     08/08/2018          

Instrument ID (1):                     ECD5                                          Instrument ID (2):                     ECD5                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.16	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.18	11.8



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**Matrix Spike Dup**

Lab Sample ID: B209431-MSD1 Date(s) Analyzed: 08/25/2018 08/25/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): \_\_\_\_\_ ID: \_\_\_\_\_ (mm) GC Column (2): \_\_\_\_\_ ID: \_\_\_\_\_ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.16	11.8
Aroclor-1260	1	0.000	-0.030	0.030	0.13	
	2	0.000	-0.030	0.030	0.13	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

<b>LCS</b>
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*SW-846 8082A*

Lab Sample ID:                     B209433-BS1                                          Date(s) Analyzed:           08/28/2018                     08/28/2018          

Instrument ID (1):                     ECD3                                          Instrument ID (2):                     ECD3                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.18	5.4
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.18	5.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

*SW-846 8082A*

Lab Sample ID:                   B209433-BSD1                                        Date(s) Analyzed:           08/28/2018                     08/28/2018          

Instrument ID (1):                   ECD3                                        Instrument ID (2):                   ECD3                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.20	4.9
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.18	5.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike**

*SW-846 8082A*

Lab Sample ID:                   B209433-MS1                                        Date(s) Analyzed:           08/28/2018                     08/28/2018          

Instrument ID (1):                   ECD3                                        Instrument ID (2):                   ECD3                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.23	
	2	0.000	-0.030	0.030	0.23	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.22	
	2	0.000	-0.030	0.030	0.21	4.7



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike Dup**

*SW-846 8082A*

Lab Sample ID:                     B209433-MSD1                                          Date(s) Analyzed:           08/28/2018                     08/28/2018          

Instrument ID (1):                     ECD3                                          Instrument ID (2):                     ECD3                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.23	
	2	0.000	-0.030	0.030	0.22	4.4
Aroclor-1260	1	0.000	-0.030	0.030	0.22	
	2	0.000	-0.030	0.030	0.20	9.5

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**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
O-32	A dilution was performed as part of the standard analytical procedure.

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<i>SW-846 6010D in Soil</i>	
Lead	CT,NH,NY,AIHA,ME,VA,NC
<i>SW-846 8082A in Soil</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019



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CHAIN OF CUSTODY RECORD

39 Spruce Street  
 East Longmeadow, MA 01028

Company Name: Weston Sampson  
 Address: Scotchmill Dr  
 Phone: 1800-SAMPSON  
 Project Name: Conway Park  
 Project Location: Somerville  
 Project Number:  
 Project Manager: Joe Sparrow  
 Con-Test Quote Name/Number:  
 Invoice Recipient: Super 5 Milk  
 Sampled By: 11

**Requested Turnaround Time**  
 7-Day  10-Day   
 Due Date: 5 day

**Rush Approval Required**  
 1-Day  3-Day   
 2-Day  4-Day

**Data Delivery**  
 Format: PDF  EXCEL   
 Other:  
 CLP Like Data Pkg Required:   
 Email To: Smitha@wscinc.com  
 Fax To #:

ANALYSIS REQUESTED

# of Containers  
 2 Preservation Code  
 3 Container Code

**Dissolved Metals Samples**  
 Field Filtered  
 Lab to Filter

**Orthophosphate Samples**  
 Field Filtered  
 Lab to Filter

Con-Test Work Order	Sample ID	Date	Time	Matrix	Preservation	Analysis	Other
	B-0-9 (0-0.5)	7/24	1325	S	U	✓	✓
	B-0-9 (0.5-1.5)		1326			✓	✓
	B-0-9 (1.5-2.5)		1327			✓	✓
	B-0-9 (2.5-3.5)		1328			✓	✓
01	B-0-9 (3.5-5.5)		1329			✓	✓
02	B-0-9 (5.5-7.5)		1330			✓	✓
03	B-0-9 (7.5-9.5)		1331			✓	✓
04	B-0-9 (9.5-11.5)		1332			✓	✓
	B-0-10 (0-0.5)		1350			✓	✓
	B-0-10 (0.5-1.5)		1351			✓	✓

PCBs (Soxhlet)  
 Lead

Comments: Samples w/ no checked analyses to be held  
 Activate per attached email - MEK  
 8/23/2018

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) [Signature] Date/Time: 7/25 1601  
 Received by: (signature) [Signature] Date/Time: 7/25/18 1601  
 Relinquished by: (signature) [Signature] Date/Time: 7/25/18 1945  
 Received by: (signature) [Signature] Date/Time: 7/25/18 1945  
 Relinquished by: (signature) [Signature] Date/Time:  
 Received by: (signature) [Signature] Date/Time:

**Detection Limit Requirements**  
 MA  SI

**Special Requirements**  
 MA MCP Required  
 MCP Certification Form Required  
 CT RCP Required  
 RCP Certification Form Required  
 MA State DW Required

**Project Entity**  
 Government  Municipality  MWRA  WRTA  
 Federal  21 J  School  
 City  Brownfield  MBTA



**1 Matrix Codes:**  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

**2 Preservation Codes:**  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

**3 Container Codes:**  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

**PCB ONLY**  
 Soxhlet  
 Non Soxhlet



**Company Name:** Comcast  
**Address:**  
**Phone:**  
**Project Name:**  
**Project Location:**  
**Project Number:**  
**Project Manager:**  
**Con-Test Quote Name/Number:**  
**Invoice Recipient:**  
**Sampled By:**

Con-Test Work Order	Client Work Order	Analysis Requested	Requested Turnaround Time	Due Date	Format	Other	GLP Like Data Pkg Required	Email To	Fax To #
B-0-10 (1.S-2.S)	7/24	1352	10-Day		PDF				
B-0-10 (2.S-3.S)		1353	3-Day		EXCEL				
B-0-10 (3.S-5.S)		1354	4-Day						
B-0-10 (5.S-7.S)		1355							
B-0-10 (7.S-9.S)		1356							
B-0-10 (9.S-11.S)		1357							
B-0-10 (0-0.S)		1415							
B-0-11 (0.S-1.S)		1416							
B-0-11 (1.S-2.S)		1417							
B-0-11 (2.S-3.S)		1418							

**Comments:** Samples w/ no checked analyses to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

**1 Matrix Codes:**  
 GW = Ground Water  
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 H = HCL  
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 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

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 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

**4 PCB ONLY**  
 Soxhlet  
 Non Soxhlet

**Special Requirements:**  
 MA MCP Required   
 MCP Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 MA State DW Required

**Detection Limit Requirements:**  
 MA   
 CT   
 Other

**Project Entity:**  
 Government  
 Federal  
 City  
 Municipality  
 21 J  
 Brownfield  
 MMRA  
 School  
 MBTA  
 WRTA  
 Chromatogram  
 AIHA-LAP, LLC

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**Relinquished by (signature):** [Signature]  
 Date/Time: 7/25  
**Received by (signature):** [Signature]  
 Date/Time: 7/25/18  
**Relinquished by (signature):** [Signature]  
 Date/Time: 7/25/18  
**Received by (signature):** [Signature]  
 Date/Time: 7/25/18  
**Relinquished by (signature):** [Signature]  
 Date/Time: 7/25/18  
**Received by (signature):** [Signature]  
 Date/Time: 7/25/18

186-1037  
 Phone: 413-525-2332  
 Fax: 413-525-6405  
 Email: info@contestlabs.com

Doc # 381 Rev 1\_03242017

39 Spruce Street  
 East Longmeadow, MA 01028

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Company Name: **COMAG**  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Project Name: \_\_\_\_\_  
 Project Location: \_\_\_\_\_  
 Project Number: \_\_\_\_\_  
 Project Manager: \_\_\_\_\_  
 Con-Test Quote Name/Number: \_\_\_\_\_  
 Invoice Recipient: \_\_\_\_\_  
 Sampled By: \_\_\_\_\_

Requested Turnaround Time:  
 7-Day  10-Day

Due Date: \_\_\_\_\_

Rush Approval Required:  
 1-Day  3-Day   
 2-Day  4-Day

Date Delivered: \_\_\_\_\_

Format:  PDF  EXCEL  
 Other: \_\_\_\_\_

CLP Like Data Pkg Required:

Email To: \_\_\_\_\_  
 Fax To #: \_\_\_\_\_

Con-Test Work Order #	Client Sample ID	Analysis Requested	Requested	Time	Time	Time	Time	Time	Time	Time	Time	Time	Time	Time	Time	Time	Time	Time	Time	Time	
09	B-N-9 (S.S. 7.5)																				
10	B-N-9 (7.5-9.5)																				
11	B-N-9 (9.5-11.5)																				
12	B-N-8 (0-0.5)																				
13	B-N-8 (0.5-1.5)																				
14	B-N-8 (1.5-2.5)																				
15	B-N-8 (2.5-3.5)																				
16	B-N-8 (3.5-5.5)																				
17	B-N-8 (5.5-7.5)																				
18	B-N-8 (7.5-9.5)																				

Comments: **Samples w/ no analyses checked to be held**

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished By: (signature) \_\_\_\_\_ Date/Time: 7/25/18  
 Received By: (signature) \_\_\_\_\_ Date/Time: 7/25/18  
 Relinquished By: (signature) \_\_\_\_\_ Date/Time: 7/25/18  
 Received By: (signature) \_\_\_\_\_ Date/Time: 7/25/18  
 Relinquished By: (signature) \_\_\_\_\_ Date/Time: 7/25/18  
 Received By: (signature) \_\_\_\_\_ Date/Time: 7/25/18

MA Requirements:  MA MCP Required  
 MCP Certification Form Required   
 CT Requirements:  CT RCP Required  
 RCP Certification Form Required   
 Other:  MA State DW Required

PWSID #: \_\_\_\_\_

Project Entity:  
 Government  Municipality  MWRA  WRTA  
 Federal  21 J  School  Chromatogram  
 City  Brownfield  MBTA  AIHA-LAP, LLC

Other: \_\_\_\_\_





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 Requested Turnaround Time  
 7-Day  10-Day   
 Due Date: \_\_\_\_\_  
 Rush Approval Requested  
 1-Day  3-Day   
 2-Day  4-Day   
 Data Delivery  
 Format: PDF  EXCEL   
 Other: \_\_\_\_\_  
 CLP Like Data Pkg Required:   
 Email To: \_\_\_\_\_  
 Fax To #: \_\_\_\_\_

186-1037  
 Phone: 413-525-2332  
 Fax: 413-525-6405  
 Email: info@contestlabs.com



1 Matrix Codes:  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

2 Preservation Codes:  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

3 Container Codes:  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

PCB ONLY  
 Soxhlet  
 Non Soxhlet

Con-Test Work Order #	Client Order #	Client Name	Client Address	Client City	Client State	Client Zip	Client Phone	Client Fax	Client Email	Client Website	Client Other
15	B-0-8 (11.5-13.5)										
16	B-0-7 (6-0.5)										
17	B-0-7 (0.5-1.5)										
18	B-0-7 (1.5-2.5)										
19	B-0-7 (2.5-3.5)										
20	B-0-7 (3.5-5.5)										
21	B-0-7 (5.5-7.5)										
22	B-0-7 (7.5-9.5)										
23	B-0-7 (9.5-11.5)										
24	B-0-5 (0-0.5)										

ANALYSIS REQUESTED

Requested Turnaround Time: \_\_\_\_\_

Rush Approval Requested: \_\_\_\_\_

Data Delivery: \_\_\_\_\_

Format: PDF  EXCEL

CLP Like Data Pkg Required:

Email To: \_\_\_\_\_

Fax To #: \_\_\_\_\_

Special Requirements: \_\_\_\_\_

Detection Limits Requirements: \_\_\_\_\_

MA MCP Required

MCP Certification Form Required

CT RCP Required

RCP Certification Form Required

MA State DW Required

PWSID # \_\_\_\_\_

Project Entity: \_\_\_\_\_

Government  Federal  City

Municipality: \_\_\_\_\_

21 J  Brownfield

MWRA  School  MBTA

WRTA

Other: \_\_\_\_\_

Chromatogram

AHA-LAP, LLC

Comments: Samples w/ no analyses checked to be held

Relinquished by (signature): \_\_\_\_\_

Date/Time: 7/20/02

Relinquished by (signature): \_\_\_\_\_

Date/Time: 7/25/08

Relinquished by (signature): \_\_\_\_\_

Date/Time: 7/25/08

Relinquished by (signature): \_\_\_\_\_

Date/Time: 2.1.2.4.3.0

Relinquished by (signature): \_\_\_\_\_

Date/Time: \_\_\_\_\_







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 Phone: 413-525-2332  
 Fax: 413-525-6405  
 Email: info@contestlabs.com

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 CHAIN OF CUSTODY RECORD

Doc # 381 Rev 1\_03242017

39 Spruce Street  
 East Longmeadow, MA 01028

Page 6 of 18

**Company Name:** MEK  
**Address:** Berwyn  
**Phone:** \_\_\_\_\_  
**Project Name:** \_\_\_\_\_  
**Project Location:** \_\_\_\_\_  
**Project Number:** \_\_\_\_\_  
**Project Manager:** \_\_\_\_\_  
**Con-Test Quote Name/Number:** \_\_\_\_\_  
**Invoice Recipient:** \_\_\_\_\_  
**Sampled By:** \_\_\_\_\_

**Requested Turnaround Time:**  7-Day  10-Day  \_\_\_\_\_  
**Due Date:** \_\_\_\_\_

**Fast Approval Required:**  1-Day  3-Day  \_\_\_\_\_  
 2-Day  4-Day  \_\_\_\_\_

**Data Delivery:**  PDF  EXCEL  \_\_\_\_\_  
 Other: \_\_\_\_\_  
**CLP Like Data Pkg Required:**  \_\_\_\_\_  
**Email To:** \_\_\_\_\_  
**Fax To:** \_\_\_\_\_

Con-Test Work Order	Client Sample Description	Sample Date	Time	Analysis Requested	Matrix Code	Preservation Code	Container Code	# of Containers
25	B-M-3 (1.5-2.5)	7/25	8:47	✓	U			
26	B-M-3 (2.5-3.5)		8:48	✓	U			
	B-M-3 (3.5-5.5)		8:49	✓	U			
	B-M-3 (5.5-7.5)		8:50	✓	U			
	B-M-2 (0.5-0.5)		9:20	✓	U			
	B-M-1 (0.5-1.5)		9:21	✓	U			
	B-M-2 (1.5-2.5)		9:22	✓	U			
	B-M-1 (2.5-3.5)		9:23	✓	U			
	B-M-1 (3.5-5.5)		9:24	✓	U			
	B-M-2 (5.5-7.5)		9:25	✓	U			

**Matrix Codes:**  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

**Preservation Codes:**  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

**Container Codes:**  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

**PCB ONLY:**  
 Soxhlet  
 Non Soxhlet

**ANALYSIS REQUESTED:**

**Special Requirements:**  
 MA MCP Required  
 MCP Certification Form Required  
 CT RCP Required  
 RCP Certification Form Required  
 MA State DWR Required  
 PWSID # \_\_\_\_\_

**Detection Limit Requirements:**  
 MA: \_\_\_\_\_  
 CT: \_\_\_\_\_  
 Other: \_\_\_\_\_

**Project Entity:**  
 Government  
 Federal  
 City  
 Municipality  
 21 J  
 Brownfield  
 WRTA  
 MBTA  
 School  
 MBTA  
 Other:  Chromatogram  AIHA-LAP, LLC

**Comments:**  
 Samples w/ no checked analyses to be held

**Relinquished by: (signature)** \_\_\_\_\_ **Date/Time:** 7/25/18 16:00  
**Received by: (signature)** \_\_\_\_\_ **Date/Time:** 7/25/18 16:00  
**Relinquished by: (signature)** \_\_\_\_\_ **Date/Time:** 7/25/18 19:45  
**Received by: (signature)** \_\_\_\_\_ **Date/Time:** 7/25/18 19:45  
**Relinquished by: (signature)** \_\_\_\_\_ **Date/Time:** 7/25/18 19:45  
**Received by: (signature)** \_\_\_\_\_ **Date/Time:** 7/25/18 19:45



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 CHAIN OF CUSTODY RECORD  
 Phone: 413-525-2332  
 Fax: 413-525-6405  
 Email: info@contestlabs.com

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 39 Spruce Street  
 East Longmeadow, MA 01028

Page 2 of 18



Company Name: Conway  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Project Name: \_\_\_\_\_  
 Project Location: \_\_\_\_\_  
 Project Number: \_\_\_\_\_  
 Project Manager: \_\_\_\_\_  
 Con-Test Quote Name/Number: \_\_\_\_\_  
 Invoice Recipient: \_\_\_\_\_  
 Sampled By: \_\_\_\_\_

Requested Turnaround Time:  
 7-Day  10-Day   
 Due Date: \_\_\_\_\_

Rush Approval Requested:  
 1-Day  3-Day   
 2-Day  4-Day   
 Data Delivery:  
 Format: PDF  EXCEL   
 Other: \_\_\_\_\_  
 CLP Like Data Pkg Required:   
 Email To: \_\_\_\_\_  
 Fax To #: \_\_\_\_\_

Chain Name of Project	Time	Matrix Code	Preservation Code	Container Code	Analysis Requested
B-M-S (0-0.5)	7:25	GW	I		
B-M-S (0.5-1.5)	9:36	GW	I		
B-M-S (1.5-2.5)	9:37	GW	I		
B-M-S (2.5-3.5)	9:38	GW	I		
B-M-S (3.5-5.5)	9:39	GW	I		
B-M-S (5.5-7.5)	9:40	GW	I		
B-M-7 (0-0.5)	8:50	GW	I		
B-M-7 (0.5-1.5)	8:51	GW	I		
B-M-7 (1.5-2.5)	8:52	GW	I		
B-M-7 (2.5-3.5)	8:53	GW	I		

Comments: Samples w/ no inched analyses

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/25/18 1600  
 Received by: (signature) \_\_\_\_\_ Date/Time: 7/25/18 1600  
 Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/25/18 1845  
 Received by: (signature) \_\_\_\_\_ Date/Time: 7/25/18 1945  
 Relinquished by: (signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Received by: (signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Special Requirements:  
 MA MCP Required   
 MCP Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 MA State DW Required   
 PWSID # \_\_\_\_\_

Project Entity:  
 Government  Municipality  MWRA  Other   
 Federal  21 J  School   
 City  Brownfield  MBTA   
 WRTA  Chromatogram   
 AIHA-LAP, LLC  Non SoxHet

PCB ONLY:  
 SoxHet  
 Non SoxHet

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Page 9 of 19



**Company Name:** MEK  
**Address:**  
**Phone:**  
**Project Name:** Century  
**Project Location:**  
**Project Number:**  
**Project Manager:**  
**Con-Test Quote Name/Number:**  
**Invoice Recipient:**  
**Sampled By:**

**Requested Turnaround Time:**  
 7-Day  10-Day   
**Due Date:**  
**Rush Approval Required:**  
 1-Day  3-Day   
 2-Day  4-Day   
**Date Delivery:**  
**Format:** PDF  EXCEL   
**Other:**  
**CLP Like Data Pkg Required:**   
**Email To:**  
**Fax To #:**

Con-Test Inch-Quarry	Client Sample ID / Description	Sample Date	Analysis Requested	Special Requirements
37	B-M-8 (S.S-1.5)	7/25	S	
38	B-M-8 (7.5-9.3)		S	
39	B-M-8 (9.5-11.5)		S	
	B-M-9 (H.S-13.5)		S	
	B-M-9 (O.O-1.5)		S	
	B-M-9 (O.S-1.5)		S	
	B-M-9 (1.5-3.5)		S	
	B-M-9 (2.5-3.5)		S	
40	B-M-9 (3.5-5.5)		S	
41	B-M-9 (5.5-7.5)		S	

**Comments:**  
 Samples w/ no checked analyses to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clear; U - Unknown

**Refiniquished by: (signature)** [Signature] **Date/Time:** 7/25/18 16:02  
**Received by: (signature)** [Signature] **Date/Time:** 7/25/18 16:02  
**Reiniquished by: (signature)** [Signature] **Date/Time:** 7/25/18 19:45  
**Received by: (signature)** [Signature] **Date/Time:** 7/25/18 19:45  
**Reiniquished by: (signature)** [Signature] **Date/Time:** 7/25/18 19:45  
**Received by: (signature)** [Signature] **Date/Time:** 7/25/18 19:45

**Special Requirements:**  
 MIA MCP Required   
 MCP Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 MA State DW Required   
**PWSID #**

**Project Entity:**  
 Government  Municipality  MWRA  WRTA  Other  
 Federal  21 J  School  Chromatogram  
 City  Brownfield  MBTA  AIMA-LAP, LLC

**1 Matrix Codes:**  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

**2 Preservation Codes:**  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thioculfate  
 O = Other (please define)

**3 Container Codes:**  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Surma Canister  
 T = Tedlar Bag  
 O = Other (please define)

**PCB ONLY:**  
 Soxhlet  
 Non Soxhlet



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Page 10 of 18



**Company Name:** [Redacted]  
**Address:** [Redacted]  
**Phone:** [Redacted]  
**Project Name:** [Redacted]  
**Project Location:** [Redacted]  
**Project Number:** [Redacted]  
**Project Manager:** [Redacted]  
**Con-Test Quote Name/Number:** [Redacted]  
**Invoice Recipient:** [Redacted]  
**Sampled By:** [Redacted]

**Requested Turnaround Time:**  
 7-Day  10-Day   
 Due Date: \_\_\_\_\_

**Rush Approval Required:**  
 1-Day  3-Day   
 2-Day  4-Day   
**Data Delivery:**  
 Format: PDF  EXCEL   
 Other: \_\_\_\_\_  
 CLP Like Data Pkg Required:   
 Email To: \_\_\_\_\_  
 Fax To #: \_\_\_\_\_

Con-Test Work Order #	Sample ID	Time	Analysis Requested	Matrix Code	Preservation Code	Container Code
42	B-MA-10(9.5-11.5)	7:25	PCBS (Soxhlet)			
43	B-M-10(0.5-0.5)	10:31				
44	B-M-10(0.5-0.5)	10:40				
45	B-M-10(1.5-2.5)	10:41				
46	B-M-10(2.5-3.5)	10:42				
47	B-M-10(3.5-5.5)	10:43				
48	B-M-10(5.5-7.5)	10:44				
49	B-M-10(7.5-9.5)	10:45				
50	B-M-10(9.5-11.5)	10:46				
51	B-M-11(0-0.5)	10:47				
52	B-M-11(0-0.5)	11:05				

**Matrix Codes:**  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

**Preservation Codes:**  
 I = Ice  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thioculfate  
 O = Other (please define)

**Container Codes:**  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tecliar Bag  
 O = Other (please define)

**PCB ONLY:**  
 Soxhlet  
 Non Soxhlet

**Special Requirements:**  
 MA MCP Required   
 MCP Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 MA State (DW) Required   
 PWSID # \_\_\_\_\_

**Project Entity:**  
 Government  
 Federal  
 City  
 Municipality  
 21 J  
 Brownfield  
 WRTA  
 MWRA  
 School  
 MBTA  
 Chromatogram  
 ATHA-LAP, LLC  
 Other \_\_\_\_\_

**Relinquished by (signature):** [Signature] Date/Time: 7/25/08 16:22  
**Received by (signature):** [Signature] Date/Time: 7/25/08 16:22  
**Relinquished by (signature):** [Signature] Date/Time: 7/25/08 19:45  
**Received by (signature):** [Signature] Date/Time: 7/25/08 19:45  
**Relinquished by (signature):** [Signature] Date/Time: 7/25/08 19:45  
**Received by (signature):** [Signature] Date/Time: 7/25/08 19:45

**Comments:**  
 All samples w/ no analytes checked to be held

Please use the following codes to indicate possible sample concentration within the Conc. Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown









186-1037  
 Phone: 413-525-2332  
 Fax: 413-525-6405  
 Email: info@contestlabs.com

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 39 Spruce Street  
 East Longmeadow, MA 01028

con-test ANALYTICAL LABORATORY  
 MEK  
 CHAIN OF CUSTODY RECORD

Page 13 of 18

Company Name: _____ Address: _____ Phone: _____ Project Name: <u>COAWING</u> Project Location: _____ Project Number: _____ Project Manager: _____ Con-Test Quote Name/Number: _____ Invoice Recipient: _____ Sampled By: _____		# of Containers: _____ Preservation Code: _____ Container Code: _____ <b>Disinfectant/Water Samples</b> <input type="radio"/> Field Filtered <input type="radio"/> Lab to Filter <b>Orthophosphate Samples</b> <input type="radio"/> Field Filtered <input type="radio"/> Lab to Filter	
1 Matrix Codes: GW = Ground Water WW = Waste Water DW = Drinking Water A = Air S = Soil SL = Sludge SOL = Solid O = Other (please define)		2 Preservation Codes: I = Ice H = HCL M = Methanol N = Nitric Acid S = Sulfuric Acid B = Sodium Bisulfate X = Sodium Hydroxide T = Sodium Thiosulfate O = Other (please define)	
3 Container Codes: A = Amber Glass G = Glass P = Plastic ST = Sterile V = Vial S = Summa Canister T = Tedlar Bag O = Other (please define)		PCB ONLY <input checked="" type="checkbox"/> Soxhlet <input type="checkbox"/> Non Soxhlet	
ANALYSIS REQUESTED			
7-Day <input type="checkbox"/> 10-Day <input type="checkbox"/> Due Date: _____ Rush Approval Required <input type="checkbox"/> 1-Day <input type="checkbox"/> 3-Day <input type="checkbox"/> 2-Day <input type="checkbox"/> 4-Day <input type="checkbox"/> Data Delivery: Format: PDF <input type="checkbox"/> EXCEL <input type="checkbox"/> Other: _____ CLP Like Data Required: <input type="checkbox"/> Email To: _____ Fax To #: _____	Requested Turnaround Time: _____ Date: _____ Date: _____ Date: _____ Date: _____ Date: _____ Date: _____ Date: _____		
Date/Time: _____ Date/Time: _____ Date/Time: _____ Date/Time: _____ Date/Time: _____ Date/Time: _____	Date/Time: _____ Date/Time: _____ Date/Time: _____ Date/Time: _____ Date/Time: _____	Date/Time: _____ Date/Time: _____ Date/Time: _____ Date/Time: _____ Date/Time: _____	Date/Time: _____ Date/Time: _____ Date/Time: _____ Date/Time: _____ Date/Time: _____
Comments: <u>Samples w/ no analyses checked to be held</u>			
Please use the following codes to indicate possible sample concentration within the Conc Code column above: H - High; M - Medium; L - Low; C - Clean; U - Unknown			
Special Requirements: MA MCP Required <input type="checkbox"/> MCP Certification Form Required <input type="checkbox"/> CT RCP Required <input type="checkbox"/> RCP Certification Form Required <input type="checkbox"/> MA State DOR Required <input type="checkbox"/> FWSID # _____			
Project Entity: <input type="checkbox"/> Government <input type="checkbox"/> Municipality <input type="checkbox"/> WRTA <input type="checkbox"/> Other <input type="checkbox"/> Federal <input type="checkbox"/> 21 J <input type="checkbox"/> School <input type="checkbox"/> Chromatogram <input type="checkbox"/> City <input type="checkbox"/> Braintree <input type="checkbox"/> MBTA <input type="checkbox"/> AIHA-LAP, LLC			





Company Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Project Name: Conting  
Project Location: \_\_\_\_\_  
Project Number: \_\_\_\_\_  
Project Manager: \_\_\_\_\_  
Con-Test Quote Name/Number: \_\_\_\_\_  
Invoice Recipient: \_\_\_\_\_  
Sampled By: \_\_\_\_\_

Con-Test Work Order	Client Sample Description	Concentration	Matrix	Preservation	Analysis Requested
61	B-L-9 (0.5-1.5)	7ps	S	✓	PCBS (Soxhlet)
62	B-L-9 (1.5-2.5)	7ps	S	✓	PCBS (Soxhlet)
63	B-L-9 (2.5-3.5)	7ps	S	✓	PCBS (Soxhlet)
64	B-L-9 (3.5-5.5)	7ps	S	✓	PCBS (Soxhlet)
65	B-L-9 (5.5-7.5)	7ps	S	✓	PCBS (Soxhlet)
66	B-L-9 (7.5-9.5)	7ps	S	✓	PCBS (Soxhlet)
67	B-L-9 (9.5-11.5)	7ps	S	✓	PCBS (Soxhlet)
68	B-L-8 (0-0.5)	7ps	S	✓	PCBS (Soxhlet)
69	B-L-8 (0.5-1.5)	7ps	S	✓	PCBS (Soxhlet)
70	B-L-8 (1.5-2.5)	7ps	S	✓	PCBS (Soxhlet)

Comments: Samples w/ no analytes checked to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
H - High; M - Medium; L - Low; C - Clean; U - Unknown

1 Matrix Codes:  
GW = Ground Water  
WW = Waste Water  
DW = Drinking Water  
A = Air  
S = Soil  
SL = Sludge  
SOL = Solid  
O = Other (please define)

2 Preservation Codes:  
I = Iced  
H = HCL  
M = Methanol  
N = Nitric Acid  
S = Sulfuric Acid  
B = Sodium Bisulfate  
X = Sodium Hydroxide  
T = Sodium Thiosulfate  
O = Other (please define)

3 Container Codes:  
A = Amber Glass  
G = Glass  
P = Plastic  
ST = Sterile  
V = Vial  
S = Summa Canister  
T = Tedlar Bag  
O = Other (please define)

PCB ONLY  
 Soxhlet  
 Non Soxhlet

Special Requirements:  
MA MCP Required   
MCP Certification Form Required   
CT RCP Required   
RCP Certification Form Required   
MA State DW Required   
PWSD # \_\_\_\_\_

Project Entity:  
Government  Municipality  MWRA   
Federal  21 J  School   
City  Brownfield  MBTA   
Other  Chromatogram  WRTA  AIHA-LAP, LLC

con-test ANALYTICAL LABORATORY



186-1037

Phone: 413-525-2332

Fax: 413-525-6405

Email: info@contestlabs.com



MEK

**Company Name:** \_\_\_\_\_  
**Address:** \_\_\_\_\_  
**Phone:** \_\_\_\_\_  
**Project Name:** \_\_\_\_\_  
**Project Location:** \_\_\_\_\_  
**Project Number:** \_\_\_\_\_  
**Project Manager:** \_\_\_\_\_  
**Con-Test Quote Name/Number:** \_\_\_\_\_  
**Invoice Recipient:** \_\_\_\_\_  
**Sampled By:** \_\_\_\_\_

Con-Test Vial Label	Client Sample ID	Concentration	Analysis Requested	Matrix Code	Preservation Code	Container Code
B-K-11 (SS-7.5)	7/25	1305	Lead	S	U	
B-K-11 (7.5-9.5)		1306				
B-K-11 (9.5-11.5)		1307				
B-K-9 (0-0.5)		1310				
B-K-9 (0.5-1.5)		1311				
B-K-9 (1.5-2.5)		1312				
B-K-9 (2.5-3.5)		1313				
B-K-9 (3.5-5.5)		1314				
B-K-9 (5.5-7.5)		1315				
B-K-9 (7.5-9.5)		1316				

**Comments:** Samples w/ no checked analyses to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

**Requested Analysis Type:** 7-Day  10-Day   
**Due Date:** \_\_\_\_\_

**Special Requirements:** MA MCP Required  MA MCP Required Form Required   
 CT RCP Required  CT RCP Required Form Required   
 MA State DWI Required

**Project Entity:** Government  Federal  City   
 Municipality  21 J  Brownfield   
 MWRA  School  MBTA   
 WRTA  Chromatogram  AIHA-LAP, LLC

**Other:**  Chromatogram  AIHA-LAP, LLC

**PCB ONLY:** Soxhlet  Non Soxhlet





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 CHAIN OF CUSTODY RECORD  
 39 Spruce Street  
 East Longmeadow, MA 01028

Phone: 413-525-2332  
 Fax: 413-525-6405  
 Email: info@contestlabs.com



Company Name: **MEK**  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Project Name: **COALWAY**  
 Project Location: \_\_\_\_\_  
 Project Number: \_\_\_\_\_  
 Project Manager: \_\_\_\_\_  
 Con-Test Quote Name/Number: \_\_\_\_\_  
 Invoice Recipient: \_\_\_\_\_  
 Sampled By: \_\_\_\_\_

Doc # 381 Rev 1\_03242017  
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Requested Turnaround Time:  7-Day  10-Day   
 Due Date: \_\_\_\_\_  
 Rush Approval Required:  1-Day  3-Day   
 2-Day  4-Day   
 Data Delivery:  PDF  EXCEL   
 Other: \_\_\_\_\_  
 CLP Like Data Pkg Required:   
 Email To: \_\_\_\_\_  
 Fax To #: \_\_\_\_\_

Con-Test Work Order #	Client Sample ID	Matrix	Filter	Analysis Requested	Conc Code	Pres Code	Container Code
83	B-K-7 (11S-13S)	S	U				
	B-K-S (0-0-S)	S	U				
	B-K-S (0-S-1S)	S	U				
	B-K-S (1-S-2S)	S	U				
	B-K-S (2-S-3S)	S	U				
	B-K-S (3S-5S)	S	U				
	B-K-S (5S-7S)	S	U				
	B-K-S (7S-9S)	S	U				
	B-K-S (9S-11S)	S	U				
	B-K-S (11S-13S)	S	U				

Comments: **Samples w/ no checked analyses to be held**

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Reinquired by: (signature) \_\_\_\_\_ Date/Time: 7/25/18  
 Received by: (signature) \_\_\_\_\_ Date/Time: 7/25/18  
 Reinquired by: (signature) \_\_\_\_\_ Date/Time: 7/25/18  
 Received by: (signature) \_\_\_\_\_ Date/Time: 7/25/18  
 Reinquired by: (signature) \_\_\_\_\_ Date/Time: 7/25/18  
 Received by: (signature) \_\_\_\_\_ Date/Time: 7/25/18

Special Requirements:  MA MCP Required  MA State DWR Required  
 MCP Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 PWSID # \_\_\_\_\_

Project Entity:  Government  Municipality  MWRA  WRTA  Other  
 Federal  21 J  School  Chromatogram  
 City  Brownfield  MBTA  AIHA-LAP, LLC





**con-test**  
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False**

Client Weston + Sampson  
 Received By SE Date 7/25/18 Time 1945  
 How were the samples received? In Cooler T No Cooler \_\_\_\_\_ On Ice T No Ice \_\_\_\_\_  
 Direct from Sampling \_\_\_\_\_ Ambient \_\_\_\_\_ Melted Ice \_\_\_\_\_  
 Were samples within Temperature? 2-6°C T By Gun # 8 Actual Temp - 2.1, 2.4, 3.0  
 By Blank # \_\_\_\_\_ Actual Temp - \_\_\_\_\_  
 Was Custody Seal Intact? N/A Were Samples Tampered with? N/A  
 Was COC Relinquished? T Does Chain Agree With Samples? FFX SE 7/25/18  
 Are there broken/leaking/loose caps on any samples? F  
 Is COC in ink/ Legible? T Were samples received within holding time? T  
 Did COC include all pertinent Information? Client T Analysis T Sampler Name T  
 Project T ID's T Collection Dates/Times T  
 Are Sample labels filled out and legible? T  
 Are there Lab to Filters? F Who was notified? \_\_\_\_\_  
 Are there Rushes? F Who was notified? \_\_\_\_\_  
 Are there Short Holds? F Who was notified? \_\_\_\_\_  
 Is there enough Volume? T  
 Is there Headspace where applicable? N/A MS/MSD? F  
 Proper Media/Containers Used? T Is splitting samples required? F  
 Were trip blanks received? F On COC? F  
 Do all samples have the proper pH? N/A Acid \_\_\_\_\_ Base \_\_\_\_\_

Viols	Containers	#	#	#	#
Unp-	1 Liter Amb.			1 Liter Plastic	16 oz Amb.
HCL-	500 mL Amb.			500 mL Plastic	8oz Amb/Clear
Meoh-	250 mL Amb.			250 mL Plastic	4oz Amb/Clear <u>88</u>
Bisulfate-	Col./Bacteria			Flashpoint	2oz Amb/Clear
DI-	Other Plastic			Other Glass	Encore
Thiosulfate-	SOC Kit			Plastic Bag	Frozen:
Sulfuric-	Perchlorate			Ziplock	

**Unused Media**

Viols	Containers	#	#	#	#
Unp-	1 Liter Amb.			1 Liter Plastic	16 oz Amb.
HCL-	500 mL Amb.			500 mL Plastic	8oz Amb/Clear
Meoh-	250 mL Amb.			250 mL Plastic	4oz Amb/Clear
Bisulfate-	Col./Bacteria			Flashpoint	2oz Amb/Clear
DI-	Other Plastic			Other Glass	Encore
Thiosulfate-	SOC Kit			Plastic Bag	Frozen:
Sulfuric-	Perchlorate			Ziplock	

**Comments:**

\* Samples #53 + 54, labels don't match COC.  
 -53 "B-N-11(7.5-9.5)" on COC, "B-N-10(7.5-9.5)" on sample.  
 -54 "B-N-11(9.5-11.5)" on COC, "B-N-10(9.5-11.5)" on sample. Matched by times + missing containers.

## Meghan Kelley

---

**From:** Smith, Taylor  
**Sent:** Thursday, August 23, 2018 3:00 PM  
**To:** Meghan Kelley  
**Cc:** Spencer, Joseph  
**Subject:** Releasing additional samples

Meghan-

We have decided to release all remaining samples from Conway Park for PCB analysis (Soxhlet) BESIDES ones with the B-Q-x, B-R-x, and B-S-x nomenclature. (For clarity, that will involve analyzing all samples with the nomenclature B-A-x through B-P-x.)

In addition, we would like to release the following samples for lead analysis:

B-C-5 (11.5-13.5)  
B-G-9 (9.5-11.5)  
B-I-3 (7.5-9.5)  
B-K-11 (9.5-11.5)  
B-O-5 (5.5-7.5)

Please give me a call if you have any questions. I appreciate your help, thanks!

**Taylor Smith**

ENVIRONMENTAL SCIENTIST  
direct: 978-977-0110 x2222  
cell: 978-854-2413



Weston & Sampson  
5 Centennial Drive | Peabody, MA 01960 (HQ)  
tel: 978-532-1900  
westonandsampson.com

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August 3, 2018

Taylor Smith  
Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960

Project Location: Conway Park., Somerville, MA  
Client Job Number:  
Project Number: [none]  
Laboratory Work Order Number: 18G1116

Enclosed are results of analyses for samples received by the laboratory on July 26, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley  
Project Manager

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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 8/3/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1116

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-K-1 (0-0.5)	18G1116-01	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-K-1 (0.5-1.5)	18G1116-02	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-K-1 (1.5-2.5)	18G1116-03	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-K-1 (2.5-3.5)	18G1116-04	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-K-1 (0-0.5)	18G1116-05	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-K-1 (0.5-1.5)	18G1116-06	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-K-1 (1.5-2.5)	18G1116-07	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-K-1 (2.5-3.5)	18G1116-08	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-O-8 (0-0.5)	18G1116-09	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-O-8 (0.5-1.5)	18G1116-10	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-O-8 (1.5-2.5)	18G1116-11	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-O-8 (2.5-3.5)	18G1116-12	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-I-3 (0-0.5)	18G1116-13	Soil		SM 2540G SW-846 6010D SW-846 8082A	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 8/3/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1116

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-I-3 (0.5-1.5)	18G1116-14	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-I-3 (1.5-2.5)	18G1116-15	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-I-3 (2.5-3.5)	18G1116-16	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-I-5 (0-0.5)	18G1116-17	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-I-5 (0.5-1.5)	18G1116-18	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-I-5 (1.5-2.5)	18G1116-19	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-I-5 (2.5-3.5)	18G1116-20	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-I-7 (0-0.5)	18G1116-21	Soil		SM 2540G SW-846 6010D SW-846 8082A	

**CASE NARRATIVE SUMMARY**

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

**SW-846 6010D****Qualifications:****R-02**

Duplicate RPD is outside of control limits. Outlier can be attributed to sample non-homogeneity encountered during sample prep.

**Analyte & Samples(s) Qualified:****Lead**

18G1116-12[B-O-8 (2.5-3.5)], B209249-DUP1

**SW-846 8082A****Qualifications:****MS-21**

Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.

**Analyte & Samples(s) Qualified:****Aroclor-1260**

B209101-MS1, B209101-MSD1

**Aroclor-1260 [2C]**

B209101-MS1, B209101-MSD1

**O-32**

A dilution was performed as part of the standard analytical procedure.

**Analyte & Samples(s) Qualified:**

18G1116-07[B-K-1 (1.5-2.5)], 18G1116-12[B-O-8 (2.5-3.5)]

**S-01**

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**Analyte & Samples(s) Qualified:****Decachlorobiphenyl**

18G1116-02[B-K-1 (0.5-1.5)], 18G1116-09[B-O-8 (0-0.5)], 18G1116-10[B-O-8 (0.5-1.5)], 18G1116-21[B-I-7 (0-0.5)]

**Decachlorobiphenyl [2C]**

18G1116-02[B-K-1 (0.5-1.5)], 18G1116-09[B-O-8 (0-0.5)], 18G1116-10[B-O-8 (0.5-1.5)], 18G1116-21[B-I-7 (0-0.5)]

**Tetrachloro-m-xylene**

18G1116-02[B-K-1 (0.5-1.5)], 18G1116-09[B-O-8 (0-0.5)], 18G1116-10[B-O-8 (0.5-1.5)], 18G1116-21[B-I-7 (0-0.5)]

**Tetrachloro-m-xylene [2C]**

18G1116-02[B-K-1 (0.5-1.5)], 18G1116-09[B-O-8 (0-0.5)], 18G1116-10[B-O-8 (0.5-1.5)], 18G1116-21[B-I-7 (0-0.5)]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Lisa A. Worthington", is written over a light gray rectangular background.

Lisa A. Worthington  
Project Manager

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-1 (0-0.5)

Sampled: 7/25/2018 14:00

Sample ID: 18G1116-01

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:21	WAL
Aroclor-1221 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:21	WAL
Aroclor-1232 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:21	WAL
Aroclor-1242 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:21	WAL
Aroclor-1248 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:21	WAL
Aroclor-1254 [2]	4.4	0.86	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:21	WAL
Aroclor-1260 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:21	WAL
Aroclor-1262 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:21	WAL
Aroclor-1268 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:21	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		120	30-150					8/2/18 12:21	
Decachlorobiphenyl [2]		122	30-150					8/2/18 12:21	
Tetrachloro-m-xylene [1]		105	30-150					8/2/18 12:21	
Tetrachloro-m-xylene [2]		108	30-150					8/2/18 12:21	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-1 (0-0.5)

Sampled: 7/25/2018 14:00

Sample ID: 18G1116-01

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	120	0.54	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 13:41	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-1 (0-0.5)

Sampled: 7/25/2018 14:00

Sample ID: 18G1116-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.8		% Wt	1		SM 2540G	7/30/18	7/31/18 11:51	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-1 (0.5-1.5)

Sampled: 7/25/2018 14:01

Sample ID: 18G1116-02

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:34	WAL
Aroclor-1221 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:34	WAL
Aroclor-1232 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:34	WAL
Aroclor-1242 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:34	WAL
Aroclor-1248 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:34	WAL
Aroclor-1254 [2]	6.0	0.83	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:34	WAL
Aroclor-1260 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:34	WAL
Aroclor-1262 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:34	WAL
Aroclor-1268 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:34	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/2/18 12:34	
Decachlorobiphenyl [2]		*	30-150		S-01			8/2/18 12:34	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/2/18 12:34	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/2/18 12:34	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-1 (0.5-1.5)

Sampled: 7/25/2018 14:01

Sample ID: 18G1116-02

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	32	0.51	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 13:55	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-1 (0.5-1.5)

Sampled: 7/25/2018 14:01

Sample ID: 18G1116-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.0		% Wt	1		SM 2540G	7/30/18	7/31/18 11:51	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-1 (1.5-2.5)

Sampled: 7/25/2018 14:02

Sample ID: 18G1116-03

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:43	WAL
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:43	WAL
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:43	WAL
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:43	WAL
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:43	WAL
Aroclor-1254 [2]	0.21	0.094	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:43	WAL
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:43	WAL
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:43	WAL
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:43	WAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	103		30-150				8/2/18 6:43		
Decachlorobiphenyl [2]	103		30-150				8/2/18 6:43		
Tetrachloro-m-xylene [1]	99.4		30-150				8/2/18 6:43		
Tetrachloro-m-xylene [2]	102		30-150				8/2/18 6:43		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-1 (1.5-2.5)

Sampled: 7/25/2018 14:02

Sample ID: 18G1116-03

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	77	0.58	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 13:59	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-1 (1.5-2.5)

Sampled: 7/25/2018 14:02

Sample ID: 18G1116-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.1		% Wt	1		SM 2540G	7/30/18	7/31/18 11:51	JFC



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-1 (2.5-3.5)

Sampled: 7/25/2018 14:03

Sample ID: 18G1116-04

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:55	WAL
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:55	WAL
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:55	WAL
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:55	WAL
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:55	WAL
Aroclor-1254 [2]	0.17	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:55	WAL
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:55	WAL
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:55	WAL
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:55	WAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	101		30-150				8/2/18 6:55		
Decachlorobiphenyl [2]	108		30-150				8/2/18 6:55		
Tetrachloro-m-xylene [1]	91.3		30-150				8/2/18 6:55		
Tetrachloro-m-xylene [2]	91.2		30-150				8/2/18 6:55		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-1 (2.5-3.5)

Sampled: 7/25/2018 14:03

Sample ID: 18G1116-04

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	410	0.56	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 14:04	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-1 (2.5-3.5)

Sampled: 7/25/2018 14:03

Sample ID: 18G1116-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.0		% Wt	1		SM 2540G	7/30/18	7/31/18 11:51	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-1 (0-0.5)

Sampled: 7/25/2018 13:45

Sample ID: 18G1116-05

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:46	WAL
Aroclor-1221 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:46	WAL
Aroclor-1232 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:46	WAL
Aroclor-1242 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:46	WAL
Aroclor-1248 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:46	WAL
Aroclor-1254 [2]	5.0	0.92	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:46	WAL
Aroclor-1260 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:46	WAL
Aroclor-1262 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:46	WAL
Aroclor-1268 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:46	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		123	30-150					8/2/18 12:46	
Decachlorobiphenyl [2]		127	30-150					8/2/18 12:46	
Tetrachloro-m-xylene [1]		108	30-150					8/2/18 12:46	
Tetrachloro-m-xylene [2]		112	30-150					8/2/18 12:46	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-1 (0-0.5)

Sampled: 7/25/2018 13:45

Sample ID: 18G1116-05

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	150	0.59	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 14:08	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-1 (0-0.5)

Sampled: 7/25/2018 13:45

Sample ID: 18G1116-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.9		% Wt	1		SM 2540G	7/30/18	7/31/18 11:51	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-1 (0.5-1.5)

Sampled: 7/25/2018 13:46

Sample ID: 18G1116-06

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.81	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:59	WAL
Aroclor-1221 [1]	ND	0.81	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:59	WAL
Aroclor-1232 [1]	ND	0.81	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:59	WAL
Aroclor-1242 [1]	ND	0.81	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:59	WAL
Aroclor-1248 [1]	ND	0.81	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:59	WAL
Aroclor-1254 [2]	6.3	0.81	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:59	WAL
Aroclor-1260 [1]	ND	0.81	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:59	WAL
Aroclor-1262 [1]	ND	0.81	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:59	WAL
Aroclor-1268 [1]	ND	0.81	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:59	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		119	30-150					8/2/18 12:59	
Decachlorobiphenyl [2]		128	30-150					8/2/18 12:59	
Tetrachloro-m-xylene [1]		105	30-150					8/2/18 12:59	
Tetrachloro-m-xylene [2]		109	30-150					8/2/18 12:59	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-1 (0.5-1.5)

Sampled: 7/25/2018 13:46

Sample ID: 18G1116-06

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	220	0.52	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 14:12	QNW



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-1 (0.5-1.5)

Sampled: 7/25/2018 13:46

Sample ID: 18G1116-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.7		% Wt	1		SM 2540G	7/30/18	7/31/18 11:51	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-1 (1.5-2.5)

Sampled: 7/25/2018 13:47

Sample ID: 18G1116-07

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:33	WAL
Aroclor-1221 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:33	WAL
Aroclor-1232 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:33	WAL
Aroclor-1242 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:33	WAL
Aroclor-1248 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:33	WAL
Aroclor-1254 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:33	WAL
Aroclor-1260 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:33	WAL
Aroclor-1262 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:33	WAL
Aroclor-1268 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:33	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		103	30-150					8/2/18 7:33	
Decachlorobiphenyl [2]		105	30-150					8/2/18 7:33	
Tetrachloro-m-xylene [1]		94.2	30-150					8/2/18 7:33	
Tetrachloro-m-xylene [2]		98.2	30-150					8/2/18 7:33	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-1 (1.5-2.5)

Sampled: 7/25/2018 13:47

Sample ID: 18G1116-07

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	3.6	0.52	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 14:16	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-1 (1.5-2.5)

Sampled: 7/25/2018 13:47

Sample ID: 18G1116-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.8		% Wt	1		SM 2540G	7/30/18	7/31/18 11:51	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-1 (2.5-3.5)

Sampled: 7/25/2018 13:48

Sample ID: 18G1116-08

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:46	WAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:46	WAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:46	WAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:46	WAL
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:46	WAL
Aroclor-1254 [2]	0.28	0.084	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:46	WAL
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:46	WAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:46	WAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:46	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		91.3	30-150					8/2/18 7:46	
Decachlorobiphenyl [2]		96.0	30-150					8/2/18 7:46	
Tetrachloro-m-xylene [1]		88.5	30-150					8/2/18 7:46	
Tetrachloro-m-xylene [2]		89.7	30-150					8/2/18 7:46	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-1 (2.5-3.5)

Sampled: 7/25/2018 13:48

Sample ID: 18G1116-08

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	180	0.56	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 14:21	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-1 (2.5-3.5)

Sampled: 7/25/2018 13:48

Sample ID: 18G1116-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.2		% Wt	1		SM 2540G	7/30/18	7/31/18 11:52	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-O-8 (0-0.5)

Sampled: 7/24/2018 13:05

Sample ID: 18G1116-09

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/31/18	8/2/18 13:12	WAL
Aroclor-1221 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/31/18	8/2/18 13:12	WAL
Aroclor-1232 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/31/18	8/2/18 13:12	WAL
Aroclor-1242 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/31/18	8/2/18 13:12	WAL
Aroclor-1248 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/31/18	8/2/18 13:12	WAL
Aroclor-1254 [2]	9.6	1.7	mg/Kg dry	80		SW-846 8082A	7/31/18	8/2/18 13:12	WAL
Aroclor-1260 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/31/18	8/2/18 13:12	WAL
Aroclor-1262 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/31/18	8/2/18 13:12	WAL
Aroclor-1268 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/31/18	8/2/18 13:12	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/2/18 13:12	
Decachlorobiphenyl [2]		*	30-150		S-01			8/2/18 13:12	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/2/18 13:12	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/2/18 13:12	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-O-8 (0-0.5)

Sampled: 7/24/2018 13:05

Sample ID: 18G1116-09

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	140	0.56	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 14:25	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-O-8 (0-0.5)

Sampled: 7/24/2018 13:05

Sample ID: 18G1116-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.5		% Wt	1		SM 2540G	7/30/18	7/31/18 11:52	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-O-8 (0.5-1.5)

Sampled: 7/24/2018 13:06

Sample ID: 18G1116-10

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/31/18	8/2/18 13:25	WAL
Aroclor-1221 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/31/18	8/2/18 13:25	WAL
Aroclor-1232 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/31/18	8/2/18 13:25	WAL
Aroclor-1242 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/31/18	8/2/18 13:25	WAL
Aroclor-1248 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/31/18	8/2/18 13:25	WAL
Aroclor-1254 [2]	13	1.8	mg/Kg dry	80		SW-846 8082A	7/31/18	8/2/18 13:25	WAL
Aroclor-1260 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/31/18	8/2/18 13:25	WAL
Aroclor-1262 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/31/18	8/2/18 13:25	WAL
Aroclor-1268 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/31/18	8/2/18 13:25	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/2/18 13:25	
Decachlorobiphenyl [2]		*	30-150		S-01			8/2/18 13:25	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/2/18 13:25	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/2/18 13:25	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-O-8 (0.5-1.5)

Sampled: 7/24/2018 13:06

Sample ID: 18G1116-10

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	180	0.54	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 14:29	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-O-8 (0.5-1.5)

Sampled: 7/24/2018 13:06

Sample ID: 18G1116-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.3		% Wt	1		SM 2540G	7/30/18	7/31/18 11:52	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-O-8 (1.5-2.5)

Sampled: 7/24/2018 13:07

Sample ID: 18G1116-11

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:49	WAL
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:49	WAL
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:49	WAL
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:49	WAL
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:49	WAL
Aroclor-1254 [2]	0.42	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:49	WAL
Aroclor-1260 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:49	WAL
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:49	WAL
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:49	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		83.0	30-150					8/2/18 8:49	
Decachlorobiphenyl [2]		85.9	30-150					8/2/18 8:49	
Tetrachloro-m-xylene [1]		76.9	30-150					8/2/18 8:49	
Tetrachloro-m-xylene [2]		79.4	30-150					8/2/18 8:49	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-O-8 (1.5-2.5)

Sampled: 7/24/2018 13:07

Sample ID: 18G1116-11

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	71	0.50	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 14:34	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-O-8 (1.5-2.5)

Sampled: 7/24/2018 13:07

Sample ID: 18G1116-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.1		% Wt	1		SM 2540G	7/30/18	7/31/18 11:52	JFC



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-O-8 (2.5-3.5)

Sampled: 7/24/2018 13:08

Sample ID: 18G1116-12

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:02	WAL
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:02	WAL
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:02	WAL
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:02	WAL
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:02	WAL
Aroclor-1254 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:02	WAL
Aroclor-1260 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:02	WAL
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:02	WAL
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:02	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		91.5	30-150					8/2/18 9:02	
Decachlorobiphenyl [2]		93.0	30-150					8/2/18 9:02	
Tetrachloro-m-xylene [1]		78.2	30-150					8/2/18 9:02	
Tetrachloro-m-xylene [2]		81.2	30-150					8/2/18 9:02	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-O-8 (2.5-3.5)

Sampled: 7/24/2018 13:08

Sample ID: 18G1116-12

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	29	0.49	mg/Kg dry	1	R-02	SW-846 6010D	8/1/18	8/2/18 13:37	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-O-8 (2.5-3.5)

Sampled: 7/24/2018 13:08

Sample ID: 18G1116-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.8		% Wt	1		SM 2540G	7/30/18	7/31/18 11:52	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-1-3 (0-0.5)

Sampled: 7/26/2018 09:35

Sample ID: 18G1116-13

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:15	WAL
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:15	WAL
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:15	WAL
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:15	WAL
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:15	WAL
Aroclor-1254 [2]	0.13	0.093	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:15	WAL
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:15	WAL
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:15	WAL
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:15	WAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	85.6		30-150				8/2/18 9:15		
Decachlorobiphenyl [2]	88.8		30-150				8/2/18 9:15		
Tetrachloro-m-xylene [1]	77.9		30-150				8/2/18 9:15		
Tetrachloro-m-xylene [2]	81.6		30-150				8/2/18 9:15		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-1-3 (0-0.5)

Sampled: 7/26/2018 09:35

Sample ID: 18G1116-13

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	57	0.56	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 13:37	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-1-3 (0-0.5)

Sampled: 7/26/2018 09:35

Sample ID: 18G1116-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.7		% Wt	1		SM 2540G	7/30/18	7/31/18 11:52	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-1-3 (0.5-1.5)

Sampled: 7/26/2018 09:36

Sample ID: 18G1116-14

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:28	WAL
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:28	WAL
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:28	WAL
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:28	WAL
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:28	WAL
Aroclor-1254 [1]	0.12	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:28	WAL
Aroclor-1260 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:28	WAL
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:28	WAL
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:28	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		89.6	30-150					8/2/18 9:28	
Decachlorobiphenyl [2]		91.9	30-150					8/2/18 9:28	
Tetrachloro-m-xylene [1]		81.8	30-150					8/2/18 9:28	
Tetrachloro-m-xylene [2]		85.0	30-150					8/2/18 9:28	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-1-3 (0.5-1.5)

Sampled: 7/26/2018 09:36

Sample ID: 18G1116-14

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	16	0.52	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 13:43	QNW



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-1-3 (0.5-1.5)

Sampled: 7/26/2018 09:36

Sample ID: 18G1116-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.2		% Wt	1		SM 2540G	7/30/18	7/31/18 11:52	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-1-3 (1.5-2.5)

Sampled: 7/26/2018 09:37

Sample ID: 18G1116-15

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:41	WAL
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:41	WAL
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:41	WAL
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:41	WAL
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:41	WAL
Aroclor-1254 [2]	0.84	0.086	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:41	WAL
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:41	WAL
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:41	WAL
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:41	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.2	30-150					8/2/18 9:41	
Decachlorobiphenyl [2]		86.6	30-150					8/2/18 9:41	
Tetrachloro-m-xylene [1]		79.5	30-150					8/2/18 9:41	
Tetrachloro-m-xylene [2]		81.4	30-150					8/2/18 9:41	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-1-3 (1.5-2.5)

Sampled: 7/26/2018 09:37

Sample ID: 18G1116-15

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	160	0.56	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 13:48	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-I-3 (1.5-2.5)

Sampled: 7/26/2018 09:37

Sample ID: 18G1116-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.7		% Wt	1		SM 2540G	7/30/18	7/31/18 11:52	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-1-3 (2.5-3.5)

Sampled: 7/26/2018 09:38

Sample ID: 18G1116-16

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:53	WAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:53	WAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:53	WAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:53	WAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:53	WAL
Aroclor-1254 [1]	1.1	0.090	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:53	WAL
Aroclor-1260 [2]	0.18	0.090	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:53	WAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:53	WAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:53	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		106	30-150					8/2/18 9:53	
Decachlorobiphenyl [2]		109	30-150					8/2/18 9:53	
Tetrachloro-m-xylene [1]		99.2	30-150					8/2/18 9:53	
Tetrachloro-m-xylene [2]		100	30-150					8/2/18 9:53	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-1-3 (2.5-3.5)

Sampled: 7/26/2018 09:38

Sample ID: 18G1116-16

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	300	0.56	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 13:55	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-1-3 (2.5-3.5)

Sampled: 7/26/2018 09:38

Sample ID: 18G1116-16

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.0		% Wt	1		SM 2540G	7/30/18	7/31/18 11:52	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-I-5 (0-0.5)

Sampled: 7/26/2018 09:50

Sample ID: 18G1116-17

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	8/2/18	8/3/18 11:08	JMB
Aroclor-1221 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	8/2/18	8/3/18 11:08	JMB
Aroclor-1232 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	8/2/18	8/3/18 11:08	JMB
Aroclor-1242 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	8/2/18	8/3/18 11:08	JMB
Aroclor-1248 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	8/2/18	8/3/18 11:08	JMB
Aroclor-1254 [1]	1.6	0.20	mg/Kg dry	8		SW-846 8082A	8/2/18	8/3/18 11:08	JMB
Aroclor-1260 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	8/2/18	8/3/18 11:08	JMB
Aroclor-1262 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	8/2/18	8/3/18 11:08	JMB
Aroclor-1268 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	8/2/18	8/3/18 11:08	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		98.0	30-150					8/3/18 11:08	
Decachlorobiphenyl [2]		85.2	30-150					8/3/18 11:08	
Tetrachloro-m-xylene [1]		86.8	30-150					8/3/18 11:08	
Tetrachloro-m-xylene [2]		79.3	30-150					8/3/18 11:08	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-I-5 (0-0.5)

Sampled: 7/26/2018 09:50

Sample ID: 18G1116-17

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	70	0.60	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 14:01	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-I-5 (0-0.5)

Sampled: 7/26/2018 09:50

Sample ID: 18G1116-17

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.8		% Wt	1		SM 2540G	7/30/18	7/31/18 11:53	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-I-5 (0.5-1.5)

Sampled: 7/26/2018 09:51

Sample ID: 18G1116-18

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:19	WAL
Aroclor-1221 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:19	WAL
Aroclor-1232 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:19	WAL
Aroclor-1242 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:19	WAL
Aroclor-1248 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:19	WAL
Aroclor-1254 [2]	0.61	0.081	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:19	WAL
Aroclor-1260 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:19	WAL
Aroclor-1262 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:19	WAL
Aroclor-1268 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:19	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		99.3	30-150					8/2/18 10:19	
Decachlorobiphenyl [2]		102	30-150					8/2/18 10:19	
Tetrachloro-m-xylene [1]		86.7	30-150					8/2/18 10:19	
Tetrachloro-m-xylene [2]		89.1	30-150					8/2/18 10:19	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-I-5 (0.5-1.5)

Sampled: 7/26/2018 09:51

Sample ID: 18G1116-18

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	30	0.53	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 14:07	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-I-5 (0.5-1.5)

Sampled: 7/26/2018 09:51

Sample ID: 18G1116-18

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.3		% Wt	1		SM 2540G	7/30/18	7/31/18 11:53	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-I-5 (1.5-2.5)

Sampled: 7/26/2018 09:52

Sample ID: 18G1116-19

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:32	WAL
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:32	WAL
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:32	WAL
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:32	WAL
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:32	WAL
Aroclor-1254 [2]	0.18	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:32	WAL
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:32	WAL
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:32	WAL
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:32	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		75.0	30-150					8/2/18 10:32	
Decachlorobiphenyl [2]		76.1	30-150					8/2/18 10:32	
Tetrachloro-m-xylene [1]		71.6	30-150					8/2/18 10:32	
Tetrachloro-m-xylene [2]		74.5	30-150					8/2/18 10:32	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-I-5 (1.5-2.5)

Sampled: 7/26/2018 09:52

Sample ID: 18G1116-19

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	160	0.57	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 14:12	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-I-5 (1.5-2.5)

Sampled: 7/26/2018 09:52

Sample ID: 18G1116-19

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.4		% Wt	1		SM 2540G	7/30/18	7/31/18 11:53	JFC



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-I-5 (2.5-3.5)

Sampled: 7/26/2018 09:53

Sample ID: 18G1116-20

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:45	WAL
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:45	WAL
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:45	WAL
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:45	WAL
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:45	WAL
Aroclor-1254 [2]	0.25	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:45	WAL
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:45	WAL
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:45	WAL
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:45	WAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	78.2		30-150				8/2/18 10:45		
Decachlorobiphenyl [2]	80.7		30-150				8/2/18 10:45		
Tetrachloro-m-xylene [1]	73.4		30-150				8/2/18 10:45		
Tetrachloro-m-xylene [2]	75.6		30-150				8/2/18 10:45		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-I-5 (2.5-3.5)

Sampled: 7/26/2018 09:53

Sample ID: 18G1116-20

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	350	0.60	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 14:19	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-I-5 (2.5-3.5)

Sampled: 7/26/2018 09:53

Sample ID: 18G1116-20

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.5		% Wt	1		SM 2540G	7/30/18	7/31/18 11:53	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-1-7 (0-0.5)

Sampled: 7/26/2018 10:15

Sample ID: 18G1116-21

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 9:37	KAL
Aroclor-1221 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 9:37	KAL
Aroclor-1232 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 9:37	KAL
Aroclor-1242 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 9:37	KAL
Aroclor-1248 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 9:37	KAL
Aroclor-1254 [1]	6.5	0.90	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 9:37	KAL
Aroclor-1260 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 9:37	KAL
Aroclor-1262 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 9:37	KAL
Aroclor-1268 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 9:37	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/2/18 9:37	
Decachlorobiphenyl [2]		*	30-150		S-01			8/2/18 9:37	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/2/18 9:37	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/2/18 9:37	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-1-7 (0-0.5)

Sampled: 7/26/2018 10:15

Sample ID: 18G1116-21

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	130	0.56	mg/Kg dry	1		SW-846 6010D	7/31/18	8/2/18 11:23	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-1-7 (0-0.5)

Sampled: 7/26/2018 10:15

Sample ID: 18G1116-21

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.2		% Wt	1		SM 2540G	7/30/18	7/31/18 11:53	JFC

**Sample Extraction Data**

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18G1116-01 [B-K-1 (0-0.5)]	B209011	07/30/18
18G1116-02 [B-K-1 (0.5-1.5)]	B209011	07/30/18
18G1116-03 [B-K-1 (1.5-2.5)]	B209011	07/30/18
18G1116-04 [B-K-1 (2.5-3.5)]	B209011	07/30/18
18G1116-05 [B-K-1 (0-0.5)]	B209011	07/30/18
18G1116-06 [B-K-1 (0.5-1.5)]	B209011	07/30/18
18G1116-07 [B-K-1 (1.5-2.5)]	B209011	07/30/18
18G1116-08 [B-K-1 (2.5-3.5)]	B209011	07/30/18
18G1116-09 [B-O-8 (0-0.5)]	B209011	07/30/18
18G1116-10 [B-O-8 (0.5-1.5)]	B209011	07/30/18
18G1116-11 [B-O-8 (1.5-2.5)]	B209011	07/30/18
18G1116-12 [B-O-8 (2.5-3.5)]	B209011	07/30/18
18G1116-13 [B-I-3 (0-0.5)]	B209011	07/30/18
18G1116-14 [B-I-3 (0.5-1.5)]	B209011	07/30/18
18G1116-15 [B-I-3 (1.5-2.5)]	B209011	07/30/18
18G1116-16 [B-I-3 (2.5-3.5)]	B209011	07/30/18
18G1116-17 [B-I-5 (0-0.5)]	B209011	07/30/18
18G1116-18 [B-I-5 (0.5-1.5)]	B209011	07/30/18
18G1116-19 [B-I-5 (1.5-2.5)]	B209011	07/30/18
18G1116-20 [B-I-5 (2.5-3.5)]	B209011	07/30/18
18G1116-21 [B-I-7 (0-0.5)]	B209011	07/30/18

**Prep Method: SW-846 3050B-SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1116-21 [B-I-7 (0-0.5)]	B209158	1.58	50.0	07/31/18

**Prep Method: SW-846 3050B-SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1116-01 [B-K-1 (0-0.5)]	B209249	1.53	50.0	08/01/18
18G1116-02 [B-K-1 (0.5-1.5)]	B209249	1.59	50.0	08/01/18
18G1116-03 [B-K-1 (1.5-2.5)]	B209249	1.52	50.0	08/01/18
18G1116-04 [B-K-1 (2.5-3.5)]	B209249	1.53	50.0	08/01/18
18G1116-05 [B-K-1 (0-0.5)]	B209249	1.50	50.0	08/01/18
18G1116-06 [B-K-1 (0.5-1.5)]	B209249	1.52	50.0	08/01/18
18G1116-07 [B-K-1 (1.5-2.5)]	B209249	1.53	50.0	08/01/18
18G1116-08 [B-K-1 (2.5-3.5)]	B209249	1.49	50.0	08/01/18
18G1116-09 [B-O-8 (0-0.5)]	B209249	1.54	50.0	08/01/18
18G1116-10 [B-O-8 (0.5-1.5)]	B209249	1.59	50.0	08/01/18
18G1116-11 [B-O-8 (1.5-2.5)]	B209249	1.58	50.0	08/01/18
18G1116-12 [B-O-8 (2.5-3.5)]	B209249	1.58	50.0	08/01/18
18G1116-13 [B-I-3 (0-0.5)]	B209249	1.59	50.0	08/01/18
18G1116-14 [B-I-3 (0.5-1.5)]	B209249	1.52	50.0	08/01/18
18G1116-15 [B-I-3 (1.5-2.5)]	B209249	1.51	50.0	08/01/18
18G1116-16 [B-I-3 (2.5-3.5)]	B209249	1.55	50.0	08/01/18
18G1116-17 [B-I-5 (0-0.5)]	B209249	1.53	50.0	08/01/18
18G1116-18 [B-I-5 (0.5-1.5)]	B209249	1.55	50.0	08/01/18
18G1116-19 [B-I-5 (1.5-2.5)]	B209249	1.53	50.0	08/01/18
18G1116-20 [B-I-5 (2.5-3.5)]	B209249	1.47	50.0	08/01/18

**Sample Extraction Data**

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1116-01 [B-K-1 (0-0.5)]	B209101	10.2	10.0	07/31/18
18G1116-02 [B-K-1 (0.5-1.5)]	B209101	10.3	10.0	07/31/18
18G1116-03 [B-K-1 (1.5-2.5)]	B209101	10.0	10.0	07/31/18
18G1116-04 [B-K-1 (2.5-3.5)]	B209101	10.1	10.0	07/31/18
18G1116-05 [B-K-1 (0-0.5)]	B209101	10.2	10.0	07/31/18
18G1116-06 [B-K-1 (0.5-1.5)]	B209101	10.4	10.0	07/31/18
18G1116-07 [B-K-1 (1.5-2.5)]	B209101	10.5	10.0	07/31/18
18G1116-08 [B-K-1 (2.5-3.5)]	B209101	10.5	10.0	07/31/18
18G1116-09 [B-O-8 (0-0.5)]	B209101	10.5	10.0	07/31/18
18G1116-10 [B-O-8 (0.5-1.5)]	B209101	10.2	10.0	07/31/18
18G1116-11 [B-O-8 (1.5-2.5)]	B209101	10.4	10.0	07/31/18
18G1116-12 [B-O-8 (2.5-3.5)]	B209101	10.1	10.0	07/31/18
18G1116-13 [B-I-3 (0-0.5)]	B209101	10.3	10.0	07/31/18
18G1116-14 [B-I-3 (0.5-1.5)]	B209101	10.3	10.0	07/31/18
18G1116-15 [B-I-3 (1.5-2.5)]	B209101	10.4	10.0	07/31/18
18G1116-16 [B-I-3 (2.5-3.5)]	B209101	10.2	10.0	07/31/18
18G1116-18 [B-I-5 (0.5-1.5)]	B209101	10.7	10.0	07/31/18
18G1116-19 [B-I-5 (1.5-2.5)]	B209101	10.2	10.0	07/31/18
18G1116-20 [B-I-5 (2.5-3.5)]	B209101	10.4	10.0	07/31/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1116-21 [B-I-7 (0-0.5)]	B209102	10.6	10.0	07/31/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1116-17RE1 [B-I-5 (0-0.5)]	B209314	10.0	10.0	08/02/18



**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209101 - SW-846 3540C</b>										
<b>Blank (B209101-BLK1)</b>										
Prepared: 07/31/18 Analyzed: 08/02/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.205		mg/Kg wet	0.200		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.202		mg/Kg wet	0.200		101	30-150			
Surrogate: Tetrachloro-m-xylene	0.172		mg/Kg wet	0.200		85.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.173		mg/Kg wet	0.200		86.4	30-150			
<b>LCS (B209101-BS1)</b>										
Prepared: 07/31/18 Analyzed: 08/02/18										
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		94.9	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		94.7	40-140			
Aroclor-1260	0.20	0.020	mg/Kg wet	0.200		101	40-140			
Aroclor-1260 [2C]	0.20	0.020	mg/Kg wet	0.200		101	40-140			
Surrogate: Decachlorobiphenyl	0.210		mg/Kg wet	0.200		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.208		mg/Kg wet	0.200		104	30-150			
Surrogate: Tetrachloro-m-xylene	0.179		mg/Kg wet	0.200		89.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.180		mg/Kg wet	0.200		90.2	30-150			
<b>LCS Dup (B209101-BSD1)</b>										
Prepared: 07/31/18 Analyzed: 08/02/18										
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		88.2	40-140	7.35	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		88.6	40-140	6.56	30	
Aroclor-1260	0.19	0.020	mg/Kg wet	0.200		95.7	40-140	5.57	30	
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		94.3	40-140	6.55	30	
Surrogate: Decachlorobiphenyl	0.200		mg/Kg wet	0.200		99.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.197		mg/Kg wet	0.200		98.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.166		mg/Kg wet	0.200		83.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.168		mg/Kg wet	0.200		84.0	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209101 - SW-846 3540C</b>										
<b>Matrix Spike (B209101-MS1)</b>										
		<b>Source: 18G1116-01</b>			Prepared: 07/31/18 Analyzed: 08/02/18					
Aroclor-1016	0.22	0.086	mg/Kg dry	0.214	ND	104	40-140			
Aroclor-1016 [2C]	0.23	0.086	mg/Kg dry	0.214	ND	109	40-140			
<b>Aroclor-1260</b>	0.47	0.086	mg/Kg dry	0.214	ND	<b>220</b> *	40-140			MS-21
<b>Aroclor-1260 [2C]</b>	0.61	0.086	mg/Kg dry	0.214	ND	<b>284</b> *	40-140			MS-21
Surrogate: Decachlorobiphenyl	0.198		mg/Kg dry	0.214		92.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.198		mg/Kg dry	0.214		92.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.189		mg/Kg dry	0.214		88.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.191		mg/Kg dry	0.214		89.5	30-150			
<b>Matrix Spike Dup (B209101-MSD1)</b>										
		<b>Source: 18G1116-01</b>			Prepared: 07/31/18 Analyzed: 08/02/18					
Aroclor-1016	0.21	0.085	mg/Kg dry	0.212	ND	97.9	40-140		50	
Aroclor-1016 [2C]	0.21	0.085	mg/Kg dry	0.212	ND	98.5	40-140		50	
<b>Aroclor-1260</b>	0.44	0.085	mg/Kg dry	0.212	ND	<b>208</b> *	40-140		50	MS-21
<b>Aroclor-1260 [2C]</b>	0.59	0.085	mg/Kg dry	0.212	ND	<b>278</b> *	40-140	3.41	50	MS-21
Surrogate: Decachlorobiphenyl	0.178		mg/Kg dry	0.212		84.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.182		mg/Kg dry	0.212		86.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.175		mg/Kg dry	0.212		82.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.177		mg/Kg dry	0.212		83.5	30-150			
<b>Batch B209102 - SW-846 3540C</b>										
<b>Blank (B209102-BLK1)</b>										
		Prepared: 07/31/18 Analyzed: 08/02/18								
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.182		mg/Kg wet	0.200		90.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.193		mg/Kg wet	0.200		96.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.154		mg/Kg wet	0.200		76.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.162		mg/Kg wet	0.200		81.1	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209102 - SW-846 3540C</b>										
<b>LCS (B209102-BS1)</b>										
Prepared: 07/31/18 Analyzed: 08/02/18										
Aroclor-1016	0.20	0.020	mg/Kg wet	0.200		98.0	40-140			
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		101	40-140			
Aroclor-1260	0.20	0.020	mg/Kg wet	0.200		98.7	40-140			
Aroclor-1260 [2C]	0.21	0.020	mg/Kg wet	0.200		106	40-140			
Surrogate: Decachlorobiphenyl	0.212		mg/Kg wet	0.200		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.226		mg/Kg wet	0.200		113	30-150			
Surrogate: Tetrachloro-m-xylene	0.192		mg/Kg wet	0.200		95.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.202		mg/Kg wet	0.200		101	30-150			
<b>LCS Dup (B209102-BSD1)</b>										
Prepared: 07/31/18 Analyzed: 08/02/18										
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		95.3	40-140	2.72	30	
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		99.9	40-140	0.744	30	
Aroclor-1260	0.20	0.020	mg/Kg wet	0.200		97.8	40-140	0.905	30	
Aroclor-1260 [2C]	0.21	0.020	mg/Kg wet	0.200		103	40-140	2.11	30	
Surrogate: Decachlorobiphenyl	0.204		mg/Kg wet	0.200		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.218		mg/Kg wet	0.200		109	30-150			
Surrogate: Tetrachloro-m-xylene	0.184		mg/Kg wet	0.200		92.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.192		mg/Kg wet	0.200		96.2	30-150			
<b>Batch B209314 - SW-846 3540C</b>										
<b>Blank (B209314-BLK1)</b>										
Prepared: 08/02/18 Analyzed: 08/03/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.198		mg/Kg wet	0.200		99.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.170		mg/Kg wet	0.200		85.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.179		mg/Kg wet	0.200		89.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.157		mg/Kg wet	0.200		78.7	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B209314 - SW-846 3540C**

**LCS (B209314-BS1)**

Prepared: 08/02/18 Analyzed: 08/03/18

Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		92.1	40-140			
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		82.6	40-140			
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		85.1	40-140			
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		76.8	40-140			
Surrogate: Decachlorobiphenyl	0.191		mg/Kg wet	0.200		95.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.163		mg/Kg wet	0.200		81.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.180		mg/Kg wet	0.200		90.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.161		mg/Kg wet	0.200		80.4	30-150			

**LCS Dup (B209314-BSD1)**

Prepared: 08/02/18 Analyzed: 08/03/18

Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		91.6	40-140	0.481	30	
Aroclor-1016 [2C]	0.16	0.020	mg/Kg wet	0.200		81.1	40-140	1.79	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		86.5	40-140	1.73	30	
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		77.8	40-140	1.24	30	
Surrogate: Decachlorobiphenyl	0.198		mg/Kg wet	0.200		99.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.168		mg/Kg wet	0.200		83.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.176		mg/Kg wet	0.200		87.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.156		mg/Kg wet	0.200		77.8	30-150			

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**QUALITY CONTROL**

**Metals Analyses (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209158 - SW-846 3050B</b>										
<b>Blank (B209158-BLK1)</b>					Prepared: 07/31/18 Analyzed: 08/02/18					
Lead	ND	0.50	mg/Kg wet							
<b>LCS (B209158-BS1)</b>					Prepared: 07/31/18 Analyzed: 08/02/18					
Lead	116	1.5	mg/Kg wet	111	105		83-117.1			
<b>LCS Dup (B209158-BSD1)</b>					Prepared: 07/31/18 Analyzed: 08/02/18					
Lead	114	1.5	mg/Kg wet	111	103		83-117.1	1.89	30	
<b>MRL Check (B209158-MRL1)</b>					Prepared: 07/31/18 Analyzed: 08/02/18					
Lead	0.539	0.50	mg/Kg wet	0.499	108		80-120			
<b>Batch B209249 - SW-846 3050B</b>										
<b>Blank (B209249-BLK1)</b>					Prepared: 08/01/18 Analyzed: 08/02/18					
Lead	ND	0.50	mg/Kg wet							
<b>LCS (B209249-BS1)</b>					Prepared: 08/01/18 Analyzed: 08/02/18					
Lead	102	1.5	mg/Kg wet	111	92.2		83-117.1			
<b>LCS Dup (B209249-BSD1)</b>					Prepared: 08/01/18 Analyzed: 08/02/18					
Lead	103	1.5	mg/Kg wet	111	93.1		83-117.1	0.960	30	
<b>Duplicate (B209249-DUP1)</b>					Prepared: 08/01/18 Analyzed: 08/02/18					
Lead	43.2	0.49	mg/Kg dry		28.7			40.3 *	35	R-02
<b>MRL Check (B209249-MRL1)</b>					Prepared: 08/01/18 Analyzed: 08/02/18					
Lead	0.502	0.50	mg/Kg wet	0.499	101		80-120			
<b>Matrix Spike (B209249-MS1)</b>					Prepared: 08/01/18 Analyzed: 08/02/18					
Lead	45.8	0.49	mg/Kg dry	16.3	28.7	105	75-125			

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**QUALITY CONTROL**

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209011 - % Solids</b>										
<b>Duplicate (B209011-DUP8)</b>	<b>Source: 18G1116-11</b>			Prepared: 07/30/18 Analyzed: 07/31/18						
% Solids	94.3		% Wt		94.1			0.214	20	
<b>Duplicate (B209011-DUP9)</b>	<b>Source: 18G1116-21</b>			Prepared: 07/30/18 Analyzed: 07/31/18						
% Solids	84.3		% Wt		84.2			0.0580	20	

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-K-1 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1116-01 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	4.3	
	2	0.000	-0.030	0.030	4.4	2.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-K-1 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1116-02 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	5.9	
	2	0.000	-0.030	0.030	6.0	1.7



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-K-1 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1116-03 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.21	15.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-K-1 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1116-04 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.14	
	2	0.000	-0.030	0.030	0.17	19.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-K-1 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1116-05 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	4.8	
	2	0.000	-0.030	0.030	5.0	4.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-K-1 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1116-06 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	6.2	
	2	0.000	-0.030	0.030	6.3	1.6

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-K-1 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1116-08 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.28	
	2	0.000	-0.030	0.030	0.28	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-O-8 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1116-09 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	9.3	
	2	0.000	-0.030	0.030	9.6	3.2

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-O-8 (0.5-1.5)**

Lab Sample ID: 18G1116-10 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	13	
	2	0.000	-0.030	0.030	13	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-O-8 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1116-11 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.40	
	2	0.000	-0.030	0.030	0.42	2.4



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-3 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1116-13 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.12	
	2	0.000	-0.030	0.030	0.13	8.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-3 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1116-14 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.12	
	2	0.000	-0.030	0.030	0.12	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-3 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1116-15 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.83	
	2	0.000	-0.030	0.030	0.84	1.2

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-3 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1116-16 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.1	
	2	0.000	-0.030	0.030	1.1	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.14	
	2	0.000	-0.030	0.030	0.18	18.2

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-5 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1116-17RE1 Date(s) Analyzed: 08/03/2018 08/03/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.6	
	2	0.000	-0.030	0.030	1.6	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-5 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1116-18 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.58	
	2	0.000	-0.030	0.030	0.61	5.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-5 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1116-19 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.18	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-5 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1116-20 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.23	
	2	0.000	-0.030	0.030	0.25	8.3



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-7 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1116-21 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	6.5	
	2	0.000	-0.030	0.030	6.5	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

<b>LCS</b>
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*SW-846 8082A*

Lab Sample ID:                     B209101-BS1                                          Date(s) Analyzed:           08/02/2018                     08/02/2018          

Instrument ID (1):                     ECD3                                          Instrument ID (2):                     ECD3                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.19	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.20	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

<b>LCS Dup</b>
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Lab Sample ID:                   B209101-BSD1                                        Date(s) Analyzed:           08/02/2018                     08/02/2018          

Instrument ID (1):                   ECD3                                        Instrument ID (2):                   ECD3                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.18	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.19	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

<b>Matrix Spike</b>
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Lab Sample ID:                   B209101-MS1                                        Date(s) Analyzed:           08/02/2018                     08/02/2018          

Instrument ID (1):                   ECD3                                        Instrument ID (2):                   ECD3                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.22	
	2	0.000	-0.030	0.030	0.23	4.4
Aroclor-1260	1	0.000	-0.030	0.030	0.47	
	2	0.000	-0.030	0.030	0.61	25.9

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike Dup**

*SW-846 8082A*

Lab Sample ID:                   B209101-MSD1                                        Date(s) Analyzed:           08/02/2018                     08/02/2018          

Instrument ID (1):                   ECD3                                                        Instrument ID (2):                   ECD3                  

GC Column (1):                                      ID:                      (mm)                      GC Column (2):                                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.21	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.44	
	2	0.000	-0.030	0.030	0.59	29.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

<b>LCS</b>
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*SW-846 8082A*

Lab Sample ID:                   B209102-BS1                                        Date(s) Analyzed:           08/02/2018                     08/02/2018          

Instrument ID (1):                   ECD 9                                        Instrument ID (2):                   ECD 9                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.20	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.21	4.9

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

<b>LCS Dup</b>
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Lab Sample ID:                     B209102-BSD1                                          Date(s) Analyzed:           08/02/2018                     08/02/2018          

Instrument ID (1):                     ECD 9                                          Instrument ID (2):                     ECD 9                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.20	5.1
Aroclor-1260	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.21	4.9

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

<b>LCS</b>
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*SW-846 8082A*

Lab Sample ID:                   B209314-BS1                                        Date(s) Analyzed:           08/03/2018                     08/03/2018          

Instrument ID (1):                   ECD1                                        Instrument ID (2):                   ECD1                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.17	5.7
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.15	12.5



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

<b>LCS Dup</b>
----------------

*SW-846 8082A*

Lab Sample ID:                   B209314-BSD1                                        Date(s) Analyzed:           08/03/2018                     08/03/2018          

Instrument ID (1):                   ECD1                                        Instrument ID (2):                   ECD1                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.16	11.8
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.16	6.1

---

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
O-32	A dilution was performed as part of the standard analytical procedure.
R-02	Duplicate RPD is outside of control limits. Outlier can be attributed to sample non-homogeneity encountered during sample prep.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<b>SW-846 6010D in Soil</b>	
Lead	CT,NH,NY,AIHA,ME,VA,NC
<b>SW-846 8082A in Soil</b>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

39 Spruce Street  
East Longmeadow, MA 01028

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

Phone: 413-525-2332  
Fax: 413-525-6405  
Email: info@contestlabs.com

Company Name: **MEK**  
Address: **Winston + Sampson**  
Phone: **1-800-SAMPSON**

Project Name: **Scoverson d.f.**  
Project Location: **Conroy Park**  
Project Number: **Scoverson**

Project Manager: **JOR SPENCER**  
Con-Test Quote Name/Number:  
Invoice Recipient: **Taylor Smith**  
Sampled By: **11**

Requested Turnaround Time:  
7-Day  10-Day   
Due Date: **5 Oct**

Fast Approval Package:  
1-Day  3-Day   
2-Day  4-Day

Format: PDF  EXCEL   
Other:

CLP Like Data Pkg Required:   
Email To: **Smith@scoverson.com**  
Fax To #:

Con-Test Work Order	Client Sample ID / Description	Preparation Date/Time	Analysis Date/Time	Matrix Code	Conc Code
01	B-K-1 (0-0.5)	7/25	1400	S	U
02	B-K-1 (0.5-1.5)	"	1401	S	U
03	B-K-1 (1.5-2.5)	"	1402	S	U
04	B-K-1 (2.5-3.5)	"	1403	S	U
	B-K-1 (3.5-5.5)	"	1404	S	U
	B-K-1 (5.5-7.5)	"	1405	S	U
	B-K-1 (7.5-9.5)	"	1406	S	U
	B-K-2 (9.5-11.5)	"	1407	S	U
05	B-K-1 (0-0.5)	"	1305	S	U
06	B-K-1 (0.5-1.5)	"	1306	S	U

Comments: **Samples w/ no checkered analyses to be held**

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) **[Signature]** Date/Time: **7/26/15 16:15**

Received by: (signature) **[Signature]** Date/Time: **7/26/15 16:15**

Relinquished by: (signature) **[Signature]** Date/Time: **7/16/15 19:45**

Received by: (signature) **[Signature]** Date/Time: **7/26/15 19:45**

Relinquished by: (signature) **[Signature]** Date/Time: **3.4 3.6**

Received by: (signature) **[Signature]**

Detection Limit Requirements	Special Requirements
MA <input checked="" type="checkbox"/>	MA MCP Required <input checked="" type="checkbox"/>
RI <input type="checkbox"/>	RI Certification Form Required <input type="checkbox"/>
CT <input type="checkbox"/>	CT RCP Required <input type="checkbox"/>
MA State DW Required <input type="checkbox"/>	RCP Certification Form Required <input type="checkbox"/>
PWSID #	

Project Entity:  
 Government  Municipality  MWRA  WRTA  
 Federal  21 J  School  AHA-LAP, LLC  
 City  Brownfield  MBTA

Other:  Chromatogram  Non Soxhlet



39 Spruce Street  
East Longmeadow, MA 01028

186-1116

Phone: 413-525-2332  
Fax: 413-525-6405  
Email: info@contestlabs.com



Company Name: MEK

Requested Turnaround Time:  
 7-Day  10-Day   
 Due Date:  
 Rush Approval Required:  
 1-Day  3-Day   
 2-Day  4-Day   
 Data Delivery:  
 Format:  PDF  EXCEL   
 Other:  
 CLP Like Data Pkg Required:   
 Email To:  
 Fax To #:

ANALYSIS REQUESTED

# of Containers	
Preservation Code	
Container Code	
Matrix Codes:	
GW = Ground Water	
WW = Waste Water	
DW = Drinking Water	
A = Air	
S = Soil	
SL = Sludge	
SOL = Solid	
O = Other (please define)	
Preservation Codes:	
I = Ice	
H = HCL	
M = Methanol	
N = Nitric Acid	
S = Sulfuric Acid	
B = Sodium Bisulfate	
X = Sodium Hydroxide	
T = Sodium Thiosulfate	
O = Other (please define)	
Container Codes:	
A = Amber Glass	
G = Glass	
P = Plastic	
ST = Sterile	
V = Vial	
S = Summa Canister	
T = Tedlar Bag	
O = Other (please define)	

Con-Test Work Order	Client Sample ID / Description	Priority Date / Time	Composite	Grab	Matrix Code	Pres. Code	Container Code
07	B-K-1 (1.5-2.5)	7/25			S	U	
08	B-K-2 (2.5-3.5)	"			S	U	
	B-K-3 (3.5-4.5)	"			S	U	
	B-K-4 (4.5-5.5)	"			S	U	
	B-I-1 (0-0.5)	7/26 9:00					
	B-I-2 (0.5-1.5)	" 9:01					
	B-I-3 (1.5-2.5)	" 9:02					
	B-I-4 (2.5-3.5)	" 9:03					
	B-I-5 (3.5-5.5)	" 9:04					

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Comments: Samples w/ no checked analyses to be held

Relinquished By: [Signature] Date/Time: 7/26 1615  
 Received By: [Signature] Date/Time: 7/26/18 1615  
 Relinquished By: [Signature] Date/Time: 7/26/18 1945  
 Received By: [Signature] Date/Time: 7/26/18 1945  
 Relinquished By: [Signature] Date/Time: 7/26/18 1945  
 Received By: [Signature] Date/Time: 7/26/18 1945

Detection Limit / Units	Special Requirements
MA	<input type="checkbox"/> MA MCP Required
	<input type="checkbox"/> RCP Certification Form Required
CT	<input type="checkbox"/> CT RCP Required
	<input type="checkbox"/> RCP Certification Form Required
Other	<input type="checkbox"/> MA State DW Requirement
	PWSD #

Project Entry:  
 Government  Municipality  MWRA  WRTA  
 Federal  21 J  School  Chromatogram  
 City  Brownfield  MBTA  AHA-LAP, LLC





Requested Turnaround Time:  7-Day  10-Day

Due Date: \_\_\_\_\_

Cost Approval Required:  1-Day  3-Day   2-Day  4-Day

Date Delivery: \_\_\_\_\_

Format: PDF  EXCEL

Other: \_\_\_\_\_

CLP Like Data Pkg Required:

Email To: \_\_\_\_\_

Fax To #: \_\_\_\_\_

ANALYSIS REQUESTED	Matrix Code	Preservation Code	Container Code
	GW = Ground Water	I = Iced	A = Amber Glass
	DW = Drinking Water	H = HCL	G = Glass
	A = Air	M = Methanol	P = Plastic
	S = Soil	N = Nitric Acid	ST = Sterile
	SL = Sludge	S = Sulfuric Acid	V = Vial
	SOL = Solid	B = Sodium Bisulfate	S = Summa Canister
	O = Other (please define)	X = Sodium Hydroxide	T = Tedlar Bag
		T = Sodium Thiosulfate	O = Other (please define)

1 Matrix Codes:  
GW = Ground Water  
DW = Drinking Water  
A = Air  
S = Soil  
SL = Sludge  
SOL = Solid  
O = Other (please define)

2 Preservation Codes:  
I = Iced  
H = HCL  
M = Methanol  
N = Nitric Acid  
S = Sulfuric Acid  
B = Sodium Bisulfate  
X = Sodium Hydroxide  
T = Sodium Thiosulfate  
O = Other (please define)

3 Container Codes:  
A = Amber Glass  
G = Glass  
P = Plastic  
ST = Sterile  
V = Vial  
S = Summa Canister  
T = Tedlar Bag  
O = Other (please define)

Con-Test Work Order	Client Sample ID / Description	Sample Date/Time	Priority	Composite	Grab	Matrix Code	Preservation Code	Container Code
09	B-0-11 (3.5-5.5)	7/24	4/19	1	1	S	V	
10	B-0-11 (5.5-7.5)	7/24	14:20	1	1	S	V	
11	B-0-8 (0-0.5)	7/24	13:05	1	1	S	V	
12	B-0-8 (0.5-1.5)	7/24	13:06	1	1	S	V	
	B-0-8 (1.5-2.5)	7/24	13:07	1	1	S	V	
	B-0-8 (2.5-3.5)	7/24	13:08	1	1	S	V	
	B-0-8 (3.5-5.5)	7/24	13:09	1	1	S	V	
	B-0-8 (5.5-7.5)	7/24	13:10	1	1	S	V	
	B-0-8 (7.5-9.5)	7/24	13:11	1	1	S	V	
	B-0-8 (9.5-11.5)	7/24	13:12	1	1	S	V	

Comments: Samples w/ no checked analyses to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/24

Received by: (signature) \_\_\_\_\_ Date/Time: 7/26/18 16:15

Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/26/18 19:45

Received by: (signature) \_\_\_\_\_ Date/Time: 7/26/18 19:45

Relinquished by: (signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Received by: (signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Relinquished by: (signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Received by: (signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Project Entity:  Government  Municipality  MWRA  WRTA  Other

Federal  21 J  School  Chromatogram

City  Brownfield  MBTA  AIHA-LAP, LLC

Special Requirements:  MA MCP Required  MA State DW Required

RMP Certification Form Required  RCP Certification Form Required

CT RCP Required

POCID #: \_\_\_\_\_

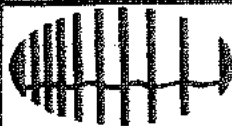












**con-test**  
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False**

Client W+S  
 Received By SE Date 7/26/18 Time 1945  
 How were the samples received? In Cooler T No Cooler \_\_\_\_\_ On Ice T No Ice \_\_\_\_\_  
 Direct from Sampling \_\_\_\_\_ Ambient \_\_\_\_\_ Melted Ice \_\_\_\_\_  
 Were samples within Temperature? 2-6°C T By Gun # 8 Actual Temp - 3.4, 3.6  
 By Blank # \_\_\_\_\_ Actual Temp - \_\_\_\_\_  
 Was Custody Seal Intact? N/A Were Samples Tampered with? N/A  
 Was COC Relinquished? T Does Chain Agree With Samples? FF\* *SE 7/26/18*  
 Are there broken/leaking/loose caps on any samples? F  
 Is COC in ink/ Legible? T Were samples received within holding time? T  
 Did COC include all pertinent information? Client T Analysis T Sampler Name T  
 Project T ID's T Collection Dates/Times T  
 Are Sample labels filled out and legible? T  
 Are there Lab to Filters? F Who was notified? \_\_\_\_\_  
 Are there Rushes? F Who was notified? \_\_\_\_\_  
 Are there Short Holds? F Who was notified? \_\_\_\_\_  
 Is there enough Volume? T  
 Is there Headspace where applicable? N/A MS/MSD? F  
 Proper Media/Containers Used? T Is splitting samples required? F  
 Were trip blanks received? F On COC? F  
 Do all samples have the proper pH? N/A Acid \_\_\_\_\_ Base \_\_\_\_\_

Viols	#	Containers	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear <i>21</i>
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

**Unused Media**

Viols	#	Containers	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

**Comments:**

\* Samples 5, 6, 7 + 8 say "B-K-3" on container, "B-K-1" on COC



August 9, 2018

Taylor Smith  
Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960

Project Location: Conway Park., Somerville, MA  
Client Job Number:  
Project Number: [none]  
Laboratory Work Order Number: 18G1116

Enclosed are results of analyses for samples received by the laboratory on July 26, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Meghan E. Kelley". The signature is written in a cursive style with a large, sweeping 'y' at the end.

Meghan E. Kelley  
Project Manager

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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 8/9/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1116

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-K-1 (0-0.5)	18G1116-01	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-K-1 (0.5-1.5)	18G1116-02	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-K-1 (1.5-2.5)	18G1116-03	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-K-1 (2.5-3.5)	18G1116-04	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-K-3 (0-0.5)	18G1116-05	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-K-3 (0.5-1.5)	18G1116-06	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-K-3 (1.5-2.5)	18G1116-07	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-K-3 (2.5-3.5)	18G1116-08	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-O-8 (0-0.5)	18G1116-09	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-O-8 (0.5-1.5)	18G1116-10	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-O-8 (1.5-2.5)	18G1116-11	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-O-8 (2.5-3.5)	18G1116-12	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-I-3 (0-0.5)	18G1116-13	Soil		SM 2540G SW-846 6010D SW-846 8082A	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 8/9/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1116

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-I-3 (0.5-1.5)	18G1116-14	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-I-3 (1.5-2.5)	18G1116-15	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-I-3 (2.5-3.5)	18G1116-16	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-I-5 (0-0.5)	18G1116-17	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-I-5 (0.5-1.5)	18G1116-18	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-I-5 (1.5-2.5)	18G1116-19	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-I-5 (2.5-3.5)	18G1116-20	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-I-7 (0-0.5)	18G1116-21	Soil		SM 2540G SW-846 6010D SW-846 8082A	

**CASE NARRATIVE SUMMARY**

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISED REPORT 08-09-18: Per client request the IDs for samples 18G1116-05-08 have been revised.

**SW-846 6010D****Qualifications:****R-02**

Duplicate RPD is outside of control limits. Outlier can be attributed to sample non-homogeneity encountered during sample prep.

**Analyte & Samples(s) Qualified:****Lead**

18G1116-12[B-O-8 (2.5-3.5)], B209249-DUP1

**SW-846 8082A****Qualifications:****MS-21**

Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.

**Analyte & Samples(s) Qualified:****Aroclor-1260**

B209101-MS1, B209101-MSD1

**Aroclor-1260 [2C]**

B209101-MS1, B209101-MSD1

**O-32**

A dilution was performed as part of the standard analytical procedure.

**Analyte & Samples(s) Qualified:**

18G1116-07[B-K-3 (1.5-2.5)], 18G1116-12[B-O-8 (2.5-3.5)]

**S-01**

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**Analyte & Samples(s) Qualified:****Decachlorobiphenyl**

18G1116-02[B-K-1 (0.5-1.5)], 18G1116-09[B-O-8 (0-0.5)], 18G1116-10[B-O-8 (0.5-1.5)], 18G1116-21[B-I-7 (0-0.5)]

**Decachlorobiphenyl [2C]**

18G1116-02[B-K-1 (0.5-1.5)], 18G1116-09[B-O-8 (0-0.5)], 18G1116-10[B-O-8 (0.5-1.5)], 18G1116-21[B-I-7 (0-0.5)]

**Tetrachloro-m-xylene**

18G1116-02[B-K-1 (0.5-1.5)], 18G1116-09[B-O-8 (0-0.5)], 18G1116-10[B-O-8 (0.5-1.5)], 18G1116-21[B-I-7 (0-0.5)]

**Tetrachloro-m-xylene [2C]**

18G1116-02[B-K-1 (0.5-1.5)], 18G1116-09[B-O-8 (0-0.5)], 18G1116-10[B-O-8 (0.5-1.5)], 18G1116-21[B-I-7 (0-0.5)]



The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Lisa A. Worthington", is written over a light gray rectangular background.

Lisa A. Worthington  
Project Manager

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-1 (0-0.5)

Sampled: 7/25/2018 14:00

Sample ID: 18G1116-01

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:21	WAL
Aroclor-1221 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:21	WAL
Aroclor-1232 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:21	WAL
Aroclor-1242 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:21	WAL
Aroclor-1248 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:21	WAL
Aroclor-1254 [2]	4.4	0.86	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:21	WAL
Aroclor-1260 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:21	WAL
Aroclor-1262 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:21	WAL
Aroclor-1268 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:21	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		120	30-150					8/2/18 12:21	
Decachlorobiphenyl [2]		122	30-150					8/2/18 12:21	
Tetrachloro-m-xylene [1]		105	30-150					8/2/18 12:21	
Tetrachloro-m-xylene [2]		108	30-150					8/2/18 12:21	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-1 (0-0.5)

Sampled: 7/25/2018 14:00

Sample ID: 18G1116-01

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	120	0.54	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 13:41	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-1 (0-0.5)

Sampled: 7/25/2018 14:00

Sample ID: 18G1116-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.8		% Wt	1		SM 2540G	7/30/18	7/31/18 11:51	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-1 (0.5-1.5)

Sampled: 7/25/2018 14:01

Sample ID: 18G1116-02

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:34	WAL
Aroclor-1221 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:34	WAL
Aroclor-1232 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:34	WAL
Aroclor-1242 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:34	WAL
Aroclor-1248 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:34	WAL
Aroclor-1254 [2]	6.0	0.83	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:34	WAL
Aroclor-1260 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:34	WAL
Aroclor-1262 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:34	WAL
Aroclor-1268 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:34	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/2/18 12:34	
Decachlorobiphenyl [2]		*	30-150		S-01			8/2/18 12:34	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/2/18 12:34	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/2/18 12:34	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-1 (0.5-1.5)

Sampled: 7/25/2018 14:01

Sample ID: 18G1116-02

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	32	0.51	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 13:55	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-1 (0.5-1.5)

Sampled: 7/25/2018 14:01

Sample ID: 18G1116-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.0		% Wt	1		SM 2540G	7/30/18	7/31/18 11:51	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-1 (1.5-2.5)

Sampled: 7/25/2018 14:02

Sample ID: 18G1116-03

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:43	WAL
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:43	WAL
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:43	WAL
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:43	WAL
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:43	WAL
Aroclor-1254 [2]	0.21	0.094	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:43	WAL
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:43	WAL
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:43	WAL
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:43	WAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	103		30-150				8/2/18 6:43		
Decachlorobiphenyl [2]	103		30-150				8/2/18 6:43		
Tetrachloro-m-xylene [1]	99.4		30-150				8/2/18 6:43		
Tetrachloro-m-xylene [2]	102		30-150				8/2/18 6:43		



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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-1 (1.5-2.5)

Sampled: 7/25/2018 14:02

Sample ID: 18G1116-03

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	77	0.58	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 13:59	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-1 (1.5-2.5)

Sampled: 7/25/2018 14:02

Sample ID: 18G1116-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.1		% Wt	1		SM 2540G	7/30/18	7/31/18 11:51	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-1 (2.5-3.5)

Sampled: 7/25/2018 14:03

Sample ID: 18G1116-04

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:55	WAL
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:55	WAL
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:55	WAL
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:55	WAL
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:55	WAL
Aroclor-1254 [2]	0.17	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:55	WAL
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:55	WAL
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:55	WAL
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:55	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		101	30-150					8/2/18 6:55	
Decachlorobiphenyl [2]		108	30-150					8/2/18 6:55	
Tetrachloro-m-xylene [1]		91.3	30-150					8/2/18 6:55	
Tetrachloro-m-xylene [2]		91.2	30-150					8/2/18 6:55	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-1 (2.5-3.5)

Sampled: 7/25/2018 14:03

Sample ID: 18G1116-04

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	410	0.56	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 14:04	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-1 (2.5-3.5)

Sampled: 7/25/2018 14:03

Sample ID: 18G1116-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.0		% Wt	1		SM 2540G	7/30/18	7/31/18 11:51	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-3 (0-0.5)

Sampled: 7/25/2018 13:45

Sample ID: 18G1116-05

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:46	WAL
Aroclor-1221 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:46	WAL
Aroclor-1232 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:46	WAL
Aroclor-1242 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:46	WAL
Aroclor-1248 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:46	WAL
Aroclor-1254 [2]	5.0	0.92	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:46	WAL
Aroclor-1260 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:46	WAL
Aroclor-1262 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:46	WAL
Aroclor-1268 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:46	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		123	30-150					8/2/18 12:46	
Decachlorobiphenyl [2]		127	30-150					8/2/18 12:46	
Tetrachloro-m-xylene [1]		108	30-150					8/2/18 12:46	
Tetrachloro-m-xylene [2]		112	30-150					8/2/18 12:46	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-3 (0-0.5)

Sampled: 7/25/2018 13:45

Sample ID: 18G1116-05

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	150	0.59	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 14:08	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-3 (0-0.5)

Sampled: 7/25/2018 13:45

Sample ID: 18G1116-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.9		% Wt	1		SM 2540G	7/30/18	7/31/18 11:51	JFC



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-3 (0.5-1.5)

Sampled: 7/25/2018 13:46

Sample ID: 18G1116-06

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.81	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:59	WAL
Aroclor-1221 [1]	ND	0.81	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:59	WAL
Aroclor-1232 [1]	ND	0.81	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:59	WAL
Aroclor-1242 [1]	ND	0.81	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:59	WAL
Aroclor-1248 [1]	ND	0.81	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:59	WAL
Aroclor-1254 [2]	6.3	0.81	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:59	WAL
Aroclor-1260 [1]	ND	0.81	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:59	WAL
Aroclor-1262 [1]	ND	0.81	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:59	WAL
Aroclor-1268 [1]	ND	0.81	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:59	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		119	30-150					8/2/18 12:59	
Decachlorobiphenyl [2]		128	30-150					8/2/18 12:59	
Tetrachloro-m-xylene [1]		105	30-150					8/2/18 12:59	
Tetrachloro-m-xylene [2]		109	30-150					8/2/18 12:59	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-3 (0.5-1.5)

Sampled: 7/25/2018 13:46

Sample ID: 18G1116-06

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	220	0.52	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 14:12	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-3 (0.5-1.5)

Sampled: 7/25/2018 13:46

Sample ID: 18G1116-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.7		% Wt	1		SM 2540G	7/30/18	7/31/18 11:51	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-3 (1.5-2.5)

Sampled: 7/25/2018 13:47

Sample ID: 18G1116-07

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:33	WAL
Aroclor-1221 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:33	WAL
Aroclor-1232 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:33	WAL
Aroclor-1242 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:33	WAL
Aroclor-1248 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:33	WAL
Aroclor-1254 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:33	WAL
Aroclor-1260 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:33	WAL
Aroclor-1262 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:33	WAL
Aroclor-1268 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:33	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		103	30-150					8/2/18 7:33	
Decachlorobiphenyl [2]		105	30-150					8/2/18 7:33	
Tetrachloro-m-xylene [1]		94.2	30-150					8/2/18 7:33	
Tetrachloro-m-xylene [2]		98.2	30-150					8/2/18 7:33	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-3 (1.5-2.5)

Sampled: 7/25/2018 13:47

Sample ID: 18G1116-07

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	3.6	0.52	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 14:16	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-3 (1.5-2.5)

Sampled: 7/25/2018 13:47

Sample ID: 18G1116-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.8		% Wt	1		SM 2540G	7/30/18	7/31/18 11:51	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-3 (2.5-3.5)

Sampled: 7/25/2018 13:48

Sample ID: 18G1116-08

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:46	WAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:46	WAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:46	WAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:46	WAL
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:46	WAL
Aroclor-1254 [2]	0.28	0.084	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:46	WAL
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:46	WAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:46	WAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:46	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		91.3	30-150					8/2/18 7:46	
Decachlorobiphenyl [2]		96.0	30-150					8/2/18 7:46	
Tetrachloro-m-xylene [1]		88.5	30-150					8/2/18 7:46	
Tetrachloro-m-xylene [2]		89.7	30-150					8/2/18 7:46	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-3 (2.5-3.5)

Sampled: 7/25/2018 13:48

Sample ID: 18G1116-08

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	180	0.56	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 14:21	QNW



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-K-3 (2.5-3.5)

Sampled: 7/25/2018 13:48

Sample ID: 18G1116-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.2		% Wt	1		SM 2540G	7/30/18	7/31/18 11:52	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-O-8 (0-0.5)

Sampled: 7/24/2018 13:05

Sample ID: 18G1116-09

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/31/18	8/2/18 13:12	WAL
Aroclor-1221 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/31/18	8/2/18 13:12	WAL
Aroclor-1232 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/31/18	8/2/18 13:12	WAL
Aroclor-1242 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/31/18	8/2/18 13:12	WAL
Aroclor-1248 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/31/18	8/2/18 13:12	WAL
Aroclor-1254 [2]	9.6	1.7	mg/Kg dry	80		SW-846 8082A	7/31/18	8/2/18 13:12	WAL
Aroclor-1260 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/31/18	8/2/18 13:12	WAL
Aroclor-1262 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/31/18	8/2/18 13:12	WAL
Aroclor-1268 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/31/18	8/2/18 13:12	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/2/18 13:12	
Decachlorobiphenyl [2]		*	30-150		S-01			8/2/18 13:12	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/2/18 13:12	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/2/18 13:12	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-O-8 (0-0.5)

Sampled: 7/24/2018 13:05

Sample ID: 18G1116-09

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	140	0.56	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 14:25	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-O-8 (0-0.5)

Sampled: 7/24/2018 13:05

Sample ID: 18G1116-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.5		% Wt	1		SM 2540G	7/30/18	7/31/18 11:52	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-O-8 (0.5-1.5)

Sampled: 7/24/2018 13:06

Sample ID: 18G1116-10

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/31/18	8/2/18 13:25	WAL
Aroclor-1221 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/31/18	8/2/18 13:25	WAL
Aroclor-1232 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/31/18	8/2/18 13:25	WAL
Aroclor-1242 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/31/18	8/2/18 13:25	WAL
Aroclor-1248 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/31/18	8/2/18 13:25	WAL
Aroclor-1254 [2]	13	1.8	mg/Kg dry	80		SW-846 8082A	7/31/18	8/2/18 13:25	WAL
Aroclor-1260 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/31/18	8/2/18 13:25	WAL
Aroclor-1262 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/31/18	8/2/18 13:25	WAL
Aroclor-1268 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/31/18	8/2/18 13:25	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/2/18 13:25	
Decachlorobiphenyl [2]		*	30-150		S-01			8/2/18 13:25	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/2/18 13:25	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/2/18 13:25	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-O-8 (0.5-1.5)

Sampled: 7/24/2018 13:06

Sample ID: 18G1116-10

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	180	0.54	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 14:29	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-O-8 (0.5-1.5)

Sampled: 7/24/2018 13:06

Sample ID: 18G1116-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.3		% Wt	1		SM 2540G	7/30/18	7/31/18 11:52	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-O-8 (1.5-2.5)

Sampled: 7/24/2018 13:07

Sample ID: 18G1116-11

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:49	WAL
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:49	WAL
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:49	WAL
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:49	WAL
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:49	WAL
Aroclor-1254 [2]	0.42	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:49	WAL
Aroclor-1260 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:49	WAL
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:49	WAL
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:49	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		83.0	30-150					8/2/18 8:49	
Decachlorobiphenyl [2]		85.9	30-150					8/2/18 8:49	
Tetrachloro-m-xylene [1]		76.9	30-150					8/2/18 8:49	
Tetrachloro-m-xylene [2]		79.4	30-150					8/2/18 8:49	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-O-8 (1.5-2.5)

Sampled: 7/24/2018 13:07

Sample ID: 18G1116-11

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	71	0.50	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 14:34	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-O-8 (1.5-2.5)

Sampled: 7/24/2018 13:07

Sample ID: 18G1116-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.1		% Wt	1		SM 2540G	7/30/18	7/31/18 11:52	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-O-8 (2.5-3.5)

Sampled: 7/24/2018 13:08

Sample ID: 18G1116-12

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:02	WAL
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:02	WAL
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:02	WAL
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:02	WAL
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:02	WAL
Aroclor-1254 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:02	WAL
Aroclor-1260 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:02	WAL
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:02	WAL
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:02	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		91.5	30-150					8/2/18 9:02	
Decachlorobiphenyl [2]		93.0	30-150					8/2/18 9:02	
Tetrachloro-m-xylene [1]		78.2	30-150					8/2/18 9:02	
Tetrachloro-m-xylene [2]		81.2	30-150					8/2/18 9:02	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-O-8 (2.5-3.5)

Sampled: 7/24/2018 13:08

Sample ID: 18G1116-12

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	29	0.49	mg/Kg dry	1	R-02	SW-846 6010D	8/1/18	8/2/18 13:37	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-O-8 (2.5-3.5)

Sampled: 7/24/2018 13:08

Sample ID: 18G1116-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.8		% Wt	1		SM 2540G	7/30/18	7/31/18 11:52	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-1-3 (0-0.5)

Sampled: 7/26/2018 09:35

Sample ID: 18G1116-13

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:15	WAL
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:15	WAL
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:15	WAL
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:15	WAL
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:15	WAL
Aroclor-1254 [2]	0.13	0.093	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:15	WAL
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:15	WAL
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:15	WAL
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:15	WAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	85.6		30-150				8/2/18 9:15		
Decachlorobiphenyl [2]	88.8		30-150				8/2/18 9:15		
Tetrachloro-m-xylene [1]	77.9		30-150				8/2/18 9:15		
Tetrachloro-m-xylene [2]	81.6		30-150				8/2/18 9:15		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-1-3 (0-0.5)

Sampled: 7/26/2018 09:35

Sample ID: 18G1116-13

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	57	0.56	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 13:37	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-1-3 (0-0.5)

Sampled: 7/26/2018 09:35

Sample ID: 18G1116-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.7		% Wt	1		SM 2540G	7/30/18	7/31/18 11:52	JFC



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-1-3 (0.5-1.5)

Sampled: 7/26/2018 09:36

Sample ID: 18G1116-14

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:28	WAL
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:28	WAL
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:28	WAL
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:28	WAL
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:28	WAL
Aroclor-1254 [1]	0.12	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:28	WAL
Aroclor-1260 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:28	WAL
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:28	WAL
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:28	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		89.6	30-150					8/2/18 9:28	
Decachlorobiphenyl [2]		91.9	30-150					8/2/18 9:28	
Tetrachloro-m-xylene [1]		81.8	30-150					8/2/18 9:28	
Tetrachloro-m-xylene [2]		85.0	30-150					8/2/18 9:28	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-1-3 (0.5-1.5)

Sampled: 7/26/2018 09:36

Sample ID: 18G1116-14

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	16	0.52	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 13:43	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-1-3 (0.5-1.5)

Sampled: 7/26/2018 09:36

Sample ID: 18G1116-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.2		% Wt	1		SM 2540G	7/30/18	7/31/18 11:52	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-I-3 (1.5-2.5)

Sampled: 7/26/2018 09:37

Sample ID: 18G1116-15

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:41	WAL
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:41	WAL
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:41	WAL
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:41	WAL
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:41	WAL
Aroclor-1254 [2]	0.84	0.086	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:41	WAL
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:41	WAL
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:41	WAL
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:41	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.2	30-150					8/2/18 9:41	
Decachlorobiphenyl [2]		86.6	30-150					8/2/18 9:41	
Tetrachloro-m-xylene [1]		79.5	30-150					8/2/18 9:41	
Tetrachloro-m-xylene [2]		81.4	30-150					8/2/18 9:41	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-1-3 (1.5-2.5)

Sampled: 7/26/2018 09:37

Sample ID: 18G1116-15

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	160	0.56	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 13:48	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-1-3 (1.5-2.5)

Sampled: 7/26/2018 09:37

Sample ID: 18G1116-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.7		% Wt	1		SM 2540G	7/30/18	7/31/18 11:52	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-1-3 (2.5-3.5)

Sampled: 7/26/2018 09:38

Sample ID: 18G1116-16

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:53	WAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:53	WAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:53	WAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:53	WAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:53	WAL
Aroclor-1254 [1]	1.1	0.090	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:53	WAL
Aroclor-1260 [2]	0.18	0.090	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:53	WAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:53	WAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:53	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		106	30-150					8/2/18 9:53	
Decachlorobiphenyl [2]		109	30-150					8/2/18 9:53	
Tetrachloro-m-xylene [1]		99.2	30-150					8/2/18 9:53	
Tetrachloro-m-xylene [2]		100	30-150					8/2/18 9:53	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-1-3 (2.5-3.5)

Sampled: 7/26/2018 09:38

Sample ID: 18G1116-16

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	300	0.56	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 13:55	QNW



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-1-3 (2.5-3.5)

Sampled: 7/26/2018 09:38

Sample ID: 18G1116-16

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.0		% Wt	1		SM 2540G	7/30/18	7/31/18 11:52	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-I-5 (0-0.5)

Sampled: 7/26/2018 09:50

Sample ID: 18G1116-17

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	8/2/18	8/3/18 11:08	JMB
Aroclor-1221 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	8/2/18	8/3/18 11:08	JMB
Aroclor-1232 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	8/2/18	8/3/18 11:08	JMB
Aroclor-1242 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	8/2/18	8/3/18 11:08	JMB
Aroclor-1248 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	8/2/18	8/3/18 11:08	JMB
Aroclor-1254 [1]	1.6	0.20	mg/Kg dry	8		SW-846 8082A	8/2/18	8/3/18 11:08	JMB
Aroclor-1260 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	8/2/18	8/3/18 11:08	JMB
Aroclor-1262 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	8/2/18	8/3/18 11:08	JMB
Aroclor-1268 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	8/2/18	8/3/18 11:08	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		98.0	30-150					8/3/18 11:08	
Decachlorobiphenyl [2]		85.2	30-150					8/3/18 11:08	
Tetrachloro-m-xylene [1]		86.8	30-150					8/3/18 11:08	
Tetrachloro-m-xylene [2]		79.3	30-150					8/3/18 11:08	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-I-5 (0-0.5)

Sampled: 7/26/2018 09:50

Sample ID: 18G1116-17

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	70	0.60	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 14:01	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-I-5 (0-0.5)

Sampled: 7/26/2018 09:50

Sample ID: 18G1116-17

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.8		% Wt	1		SM 2540G	7/30/18	7/31/18 11:53	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-I-5 (0.5-1.5)

Sampled: 7/26/2018 09:51

Sample ID: 18G1116-18

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:19	WAL
Aroclor-1221 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:19	WAL
Aroclor-1232 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:19	WAL
Aroclor-1242 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:19	WAL
Aroclor-1248 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:19	WAL
Aroclor-1254 [2]	0.61	0.081	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:19	WAL
Aroclor-1260 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:19	WAL
Aroclor-1262 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:19	WAL
Aroclor-1268 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:19	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		99.3	30-150					8/2/18 10:19	
Decachlorobiphenyl [2]		102	30-150					8/2/18 10:19	
Tetrachloro-m-xylene [1]		86.7	30-150					8/2/18 10:19	
Tetrachloro-m-xylene [2]		89.1	30-150					8/2/18 10:19	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-I-5 (0.5-1.5)

Sampled: 7/26/2018 09:51

Sample ID: 18G1116-18

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	30	0.53	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 14:07	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-I-5 (0.5-1.5)

Sampled: 7/26/2018 09:51

Sample ID: 18G1116-18

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.3		% Wt	1		SM 2540G	7/30/18	7/31/18 11:53	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-I-5 (1.5-2.5)

Sampled: 7/26/2018 09:52

Sample ID: 18G1116-19

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:32	WAL
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:32	WAL
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:32	WAL
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:32	WAL
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:32	WAL
Aroclor-1254 [2]	0.18	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:32	WAL
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:32	WAL
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:32	WAL
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:32	WAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	75.0		30-150				8/2/18 10:32		
Decachlorobiphenyl [2]	76.1		30-150				8/2/18 10:32		
Tetrachloro-m-xylene [1]	71.6		30-150				8/2/18 10:32		
Tetrachloro-m-xylene [2]	74.5		30-150				8/2/18 10:32		



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-I-5 (1.5-2.5)

Sampled: 7/26/2018 09:52

Sample ID: 18G1116-19

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	160	0.57	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 14:12	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-I-5 (1.5-2.5)

Sampled: 7/26/2018 09:52

Sample ID: 18G1116-19

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.4		% Wt	1		SM 2540G	7/30/18	7/31/18 11:53	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-I-5 (2.5-3.5)

Sampled: 7/26/2018 09:53

Sample ID: 18G1116-20

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:45	WAL
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:45	WAL
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:45	WAL
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:45	WAL
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:45	WAL
Aroclor-1254 [2]	0.25	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:45	WAL
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:45	WAL
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:45	WAL
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:45	WAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	78.2		30-150				8/2/18 10:45		
Decachlorobiphenyl [2]	80.7		30-150				8/2/18 10:45		
Tetrachloro-m-xylene [1]	73.4		30-150				8/2/18 10:45		
Tetrachloro-m-xylene [2]	75.6		30-150				8/2/18 10:45		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-I-5 (2.5-3.5)

Sampled: 7/26/2018 09:53

Sample ID: 18G1116-20

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	350	0.60	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 14:19	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-I-5 (2.5-3.5)

Sampled: 7/26/2018 09:53

Sample ID: 18G1116-20

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.5		% Wt	1		SM 2540G	7/30/18	7/31/18 11:53	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-1-7 (0-0.5)

Sampled: 7/26/2018 10:15

Sample ID: 18G1116-21

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 9:37	KAL
Aroclor-1221 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 9:37	KAL
Aroclor-1232 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 9:37	KAL
Aroclor-1242 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 9:37	KAL
Aroclor-1248 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 9:37	KAL
Aroclor-1254 [1]	6.5	0.90	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 9:37	KAL
Aroclor-1260 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 9:37	KAL
Aroclor-1262 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 9:37	KAL
Aroclor-1268 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 9:37	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/2/18 9:37	
Decachlorobiphenyl [2]		*	30-150		S-01			8/2/18 9:37	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/2/18 9:37	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/2/18 9:37	

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-1-7 (0-0.5)

Sampled: 7/26/2018 10:15

Sample ID: 18G1116-21

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	130	0.56	mg/Kg dry	1		SW-846 6010D	7/31/18	8/2/18 11:23	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1116

Date Received: 7/26/2018

Field Sample #: B-1-7 (0-0.5)

Sampled: 7/26/2018 10:15

Sample ID: 18G1116-21

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.2		% Wt	1		SM 2540G	7/30/18	7/31/18 11:53	JFC



**Sample Extraction Data**

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18G1116-01 [B-K-1 (0-0.5)]	B209011	07/30/18
18G1116-02 [B-K-1 (0.5-1.5)]	B209011	07/30/18
18G1116-03 [B-K-1 (1.5-2.5)]	B209011	07/30/18
18G1116-04 [B-K-1 (2.5-3.5)]	B209011	07/30/18
18G1116-05 [B-K-3 (0-0.5)]	B209011	07/30/18
18G1116-06 [B-K-3 (0.5-1.5)]	B209011	07/30/18
18G1116-07 [B-K-3 (1.5-2.5)]	B209011	07/30/18
18G1116-08 [B-K-3 (2.5-3.5)]	B209011	07/30/18
18G1116-09 [B-O-8 (0-0.5)]	B209011	07/30/18
18G1116-10 [B-O-8 (0.5-1.5)]	B209011	07/30/18
18G1116-11 [B-O-8 (1.5-2.5)]	B209011	07/30/18
18G1116-12 [B-O-8 (2.5-3.5)]	B209011	07/30/18
18G1116-13 [B-I-3 (0-0.5)]	B209011	07/30/18
18G1116-14 [B-I-3 (0.5-1.5)]	B209011	07/30/18
18G1116-15 [B-I-3 (1.5-2.5)]	B209011	07/30/18
18G1116-16 [B-I-3 (2.5-3.5)]	B209011	07/30/18
18G1116-17 [B-I-5 (0-0.5)]	B209011	07/30/18
18G1116-18 [B-I-5 (0.5-1.5)]	B209011	07/30/18
18G1116-19 [B-I-5 (1.5-2.5)]	B209011	07/30/18
18G1116-20 [B-I-5 (2.5-3.5)]	B209011	07/30/18
18G1116-21 [B-I-7 (0-0.5)]	B209011	07/30/18

**Prep Method: SW-846 3050B-SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1116-21 [B-I-7 (0-0.5)]	B209158	1.58	50.0	07/31/18

**Prep Method: SW-846 3050B-SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1116-01 [B-K-1 (0-0.5)]	B209249	1.53	50.0	08/01/18
18G1116-02 [B-K-1 (0.5-1.5)]	B209249	1.59	50.0	08/01/18
18G1116-03 [B-K-1 (1.5-2.5)]	B209249	1.52	50.0	08/01/18
18G1116-04 [B-K-1 (2.5-3.5)]	B209249	1.53	50.0	08/01/18
18G1116-05 [B-K-3 (0-0.5)]	B209249	1.50	50.0	08/01/18
18G1116-06 [B-K-3 (0.5-1.5)]	B209249	1.52	50.0	08/01/18
18G1116-07 [B-K-3 (1.5-2.5)]	B209249	1.53	50.0	08/01/18
18G1116-08 [B-K-3 (2.5-3.5)]	B209249	1.49	50.0	08/01/18
18G1116-09 [B-O-8 (0-0.5)]	B209249	1.54	50.0	08/01/18
18G1116-10 [B-O-8 (0.5-1.5)]	B209249	1.59	50.0	08/01/18
18G1116-11 [B-O-8 (1.5-2.5)]	B209249	1.58	50.0	08/01/18
18G1116-12 [B-O-8 (2.5-3.5)]	B209249	1.58	50.0	08/01/18
18G1116-13 [B-I-3 (0-0.5)]	B209249	1.59	50.0	08/01/18
18G1116-14 [B-I-3 (0.5-1.5)]	B209249	1.52	50.0	08/01/18
18G1116-15 [B-I-3 (1.5-2.5)]	B209249	1.51	50.0	08/01/18
18G1116-16 [B-I-3 (2.5-3.5)]	B209249	1.55	50.0	08/01/18
18G1116-17 [B-I-5 (0-0.5)]	B209249	1.53	50.0	08/01/18
18G1116-18 [B-I-5 (0.5-1.5)]	B209249	1.55	50.0	08/01/18
18G1116-19 [B-I-5 (1.5-2.5)]	B209249	1.53	50.0	08/01/18
18G1116-20 [B-I-5 (2.5-3.5)]	B209249	1.47	50.0	08/01/18

**Sample Extraction Data**

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1116-01 [B-K-1 (0-0.5)]	B209101	10.2	10.0	07/31/18
18G1116-02 [B-K-1 (0.5-1.5)]	B209101	10.3	10.0	07/31/18
18G1116-03 [B-K-1 (1.5-2.5)]	B209101	10.0	10.0	07/31/18
18G1116-04 [B-K-1 (2.5-3.5)]	B209101	10.1	10.0	07/31/18
18G1116-05 [B-K-3 (0-0.5)]	B209101	10.2	10.0	07/31/18
18G1116-06 [B-K-3 (0.5-1.5)]	B209101	10.4	10.0	07/31/18
18G1116-07 [B-K-3 (1.5-2.5)]	B209101	10.5	10.0	07/31/18
18G1116-08 [B-K-3 (2.5-3.5)]	B209101	10.5	10.0	07/31/18
18G1116-09 [B-O-8 (0-0.5)]	B209101	10.5	10.0	07/31/18
18G1116-10 [B-O-8 (0.5-1.5)]	B209101	10.2	10.0	07/31/18
18G1116-11 [B-O-8 (1.5-2.5)]	B209101	10.4	10.0	07/31/18
18G1116-12 [B-O-8 (2.5-3.5)]	B209101	10.1	10.0	07/31/18
18G1116-13 [B-I-3 (0-0.5)]	B209101	10.3	10.0	07/31/18
18G1116-14 [B-I-3 (0.5-1.5)]	B209101	10.3	10.0	07/31/18
18G1116-15 [B-I-3 (1.5-2.5)]	B209101	10.4	10.0	07/31/18
18G1116-16 [B-I-3 (2.5-3.5)]	B209101	10.2	10.0	07/31/18
18G1116-18 [B-I-5 (0.5-1.5)]	B209101	10.7	10.0	07/31/18
18G1116-19 [B-I-5 (1.5-2.5)]	B209101	10.2	10.0	07/31/18
18G1116-20 [B-I-5 (2.5-3.5)]	B209101	10.4	10.0	07/31/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1116-21 [B-I-7 (0-0.5)]	B209102	10.6	10.0	07/31/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1116-17RE1 [B-I-5 (0-0.5)]	B209314	10.0	10.0	08/02/18

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209101 - SW-846 3540C</b>										
<b>Blank (B209101-BLK1)</b>										
Prepared: 07/31/18 Analyzed: 08/02/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.205		mg/Kg wet	0.200		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.202		mg/Kg wet	0.200		101	30-150			
Surrogate: Tetrachloro-m-xylene	0.172		mg/Kg wet	0.200		85.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.173		mg/Kg wet	0.200		86.4	30-150			
<b>LCS (B209101-BS1)</b>										
Prepared: 07/31/18 Analyzed: 08/02/18										
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		94.9	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		94.7	40-140			
Aroclor-1260	0.20	0.020	mg/Kg wet	0.200		101	40-140			
Aroclor-1260 [2C]	0.20	0.020	mg/Kg wet	0.200		101	40-140			
Surrogate: Decachlorobiphenyl	0.210		mg/Kg wet	0.200		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.208		mg/Kg wet	0.200		104	30-150			
Surrogate: Tetrachloro-m-xylene	0.179		mg/Kg wet	0.200		89.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.180		mg/Kg wet	0.200		90.2	30-150			
<b>LCS Dup (B209101-BSD1)</b>										
Prepared: 07/31/18 Analyzed: 08/02/18										
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		88.2	40-140	7.35	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		88.6	40-140	6.56	30	
Aroclor-1260	0.19	0.020	mg/Kg wet	0.200		95.7	40-140	5.57	30	
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		94.3	40-140	6.55	30	
Surrogate: Decachlorobiphenyl	0.200		mg/Kg wet	0.200		99.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.197		mg/Kg wet	0.200		98.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.166		mg/Kg wet	0.200		83.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.168		mg/Kg wet	0.200		84.0	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209101 - SW-846 3540C</b>										
<b>Matrix Spike (B209101-MS1)</b>	<b>Source: 18G1116-01</b>			Prepared: 07/31/18 Analyzed: 08/02/18						
Aroclor-1016	0.22	0.086	mg/Kg dry	0.214	ND	104	40-140			
Aroclor-1016 [2C]	0.23	0.086	mg/Kg dry	0.214	ND	109	40-140			
<b>Aroclor-1260</b>	0.47	0.086	mg/Kg dry	0.214	ND	<b>220</b> *	40-140			MS-21
<b>Aroclor-1260 [2C]</b>	0.61	0.086	mg/Kg dry	0.214	ND	<b>284</b> *	40-140			MS-21
Surrogate: Decachlorobiphenyl	0.198		mg/Kg dry	0.214		92.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.198		mg/Kg dry	0.214		92.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.189		mg/Kg dry	0.214		88.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.191		mg/Kg dry	0.214		89.5	30-150			
<b>Matrix Spike Dup (B209101-MSD1)</b>	<b>Source: 18G1116-01</b>			Prepared: 07/31/18 Analyzed: 08/02/18						
Aroclor-1016	0.21	0.085	mg/Kg dry	0.212	ND	97.9	40-140		50	
Aroclor-1016 [2C]	0.21	0.085	mg/Kg dry	0.212	ND	98.5	40-140		50	
<b>Aroclor-1260</b>	0.44	0.085	mg/Kg dry	0.212	ND	<b>208</b> *	40-140		50	MS-21
<b>Aroclor-1260 [2C]</b>	0.59	0.085	mg/Kg dry	0.212	ND	<b>278</b> *	40-140	3.41	50	MS-21
Surrogate: Decachlorobiphenyl	0.178		mg/Kg dry	0.212		84.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.182		mg/Kg dry	0.212		86.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.175		mg/Kg dry	0.212		82.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.177		mg/Kg dry	0.212		83.5	30-150			
<b>Batch B209102 - SW-846 3540C</b>										
<b>Blank (B209102-BLK1)</b>	Prepared: 07/31/18 Analyzed: 08/02/18									
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.182		mg/Kg wet	0.200		90.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.193		mg/Kg wet	0.200		96.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.154		mg/Kg wet	0.200		76.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.162		mg/Kg wet	0.200		81.1	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209102 - SW-846 3540C</b>										
<b>LCS (B209102-BS1)</b>										
Prepared: 07/31/18 Analyzed: 08/02/18										
Aroclor-1016	0.20	0.020	mg/Kg wet	0.200		98.0	40-140			
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		101	40-140			
Aroclor-1260	0.20	0.020	mg/Kg wet	0.200		98.7	40-140			
Aroclor-1260 [2C]	0.21	0.020	mg/Kg wet	0.200		106	40-140			
Surrogate: Decachlorobiphenyl	0.212		mg/Kg wet	0.200		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.226		mg/Kg wet	0.200		113	30-150			
Surrogate: Tetrachloro-m-xylene	0.192		mg/Kg wet	0.200		95.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.202		mg/Kg wet	0.200		101	30-150			
<b>LCS Dup (B209102-BSD1)</b>										
Prepared: 07/31/18 Analyzed: 08/02/18										
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		95.3	40-140	2.72	30	
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		99.9	40-140	0.744	30	
Aroclor-1260	0.20	0.020	mg/Kg wet	0.200		97.8	40-140	0.905	30	
Aroclor-1260 [2C]	0.21	0.020	mg/Kg wet	0.200		103	40-140	2.11	30	
Surrogate: Decachlorobiphenyl	0.204		mg/Kg wet	0.200		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.218		mg/Kg wet	0.200		109	30-150			
Surrogate: Tetrachloro-m-xylene	0.184		mg/Kg wet	0.200		92.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.192		mg/Kg wet	0.200		96.2	30-150			
<b>Batch B209314 - SW-846 3540C</b>										
<b>Blank (B209314-BLK1)</b>										
Prepared: 08/02/18 Analyzed: 08/03/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.198		mg/Kg wet	0.200		99.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.170		mg/Kg wet	0.200		85.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.179		mg/Kg wet	0.200		89.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.157		mg/Kg wet	0.200		78.7	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B209314 - SW-846 3540C**

**LCS (B209314-BS1)**

Prepared: 08/02/18 Analyzed: 08/03/18

Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		92.1	40-140			
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		82.6	40-140			
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		85.1	40-140			
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		76.8	40-140			
Surrogate: Decachlorobiphenyl	0.191		mg/Kg wet	0.200		95.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.163		mg/Kg wet	0.200		81.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.180		mg/Kg wet	0.200		90.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.161		mg/Kg wet	0.200		80.4	30-150			

**LCS Dup (B209314-BSD1)**

Prepared: 08/02/18 Analyzed: 08/03/18

Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		91.6	40-140	0.481	30	
Aroclor-1016 [2C]	0.16	0.020	mg/Kg wet	0.200		81.1	40-140	1.79	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		86.5	40-140	1.73	30	
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		77.8	40-140	1.24	30	
Surrogate: Decachlorobiphenyl	0.198		mg/Kg wet	0.200		99.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.168		mg/Kg wet	0.200		83.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.176		mg/Kg wet	0.200		87.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.156		mg/Kg wet	0.200		77.8	30-150			

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**QUALITY CONTROL**

**Metals Analyses (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209158 - SW-846 3050B</b>										
<b>Blank (B209158-BLK1)</b> Prepared: 07/31/18 Analyzed: 08/02/18										
Lead	ND	0.50	mg/Kg wet							
<b>LCS (B209158-BS1)</b> Prepared: 07/31/18 Analyzed: 08/02/18										
Lead	116	1.5	mg/Kg wet	111		105	83-117.1			
<b>LCS Dup (B209158-BSD1)</b> Prepared: 07/31/18 Analyzed: 08/02/18										
Lead	114	1.5	mg/Kg wet	111		103	83-117.1	1.89	30	
<b>MRL Check (B209158-MRL1)</b> Prepared: 07/31/18 Analyzed: 08/02/18										
Lead	0.539	0.50	mg/Kg wet	0.499		108	80-120			
<b>Batch B209249 - SW-846 3050B</b>										
<b>Blank (B209249-BLK1)</b> Prepared: 08/01/18 Analyzed: 08/02/18										
Lead	ND	0.50	mg/Kg wet							
<b>LCS (B209249-BS1)</b> Prepared: 08/01/18 Analyzed: 08/02/18										
Lead	102	1.5	mg/Kg wet	111		92.2	83-117.1			
<b>LCS Dup (B209249-BSD1)</b> Prepared: 08/01/18 Analyzed: 08/02/18										
Lead	103	1.5	mg/Kg wet	111		93.1	83-117.1	0.960	30	
<b>Duplicate (B209249-DUP1)</b> <b>Source: 18G1116-12</b> Prepared: 08/01/18 Analyzed: 08/02/18										
Lead	43.2	0.49	mg/Kg dry		28.7			40.3 *	35	R-02
<b>MRL Check (B209249-MRL1)</b> Prepared: 08/01/18 Analyzed: 08/02/18										
Lead	0.502	0.50	mg/Kg wet	0.499		101	80-120			
<b>Matrix Spike (B209249-MS1)</b> <b>Source: 18G1116-12</b> Prepared: 08/01/18 Analyzed: 08/02/18										
Lead	45.8	0.49	mg/Kg dry	16.3	28.7	105	75-125			

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**QUALITY CONTROL**

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209011 - % Solids</b>										
<b>Duplicate (B209011-DUP8)</b>	<b>Source: 18G1116-11</b>			Prepared: 07/30/18 Analyzed: 07/31/18						
% Solids	94.3		% Wt		94.1			0.214	20	
<b>Duplicate (B209011-DUP9)</b>	<b>Source: 18G1116-21</b>			Prepared: 07/30/18 Analyzed: 07/31/18						
% Solids	84.3		% Wt		84.2			0.0580	20	



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-K-1 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1116-01 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	4.3	
	2	0.000	-0.030	0.030	4.4	2.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-K-1 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1116-02 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	5.9	
	2	0.000	-0.030	0.030	6.0	1.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-K-1 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1116-03 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.21	15.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-K-1 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1116-04 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.14	
	2	0.000	-0.030	0.030	0.17	19.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-K-1 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1116-05 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	4.8	
	2	0.000	-0.030	0.030	5.0	4.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-K-1 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1116-06 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	6.2	
	2	0.000	-0.030	0.030	6.3	1.6

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-K-1 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1116-08 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.28	
	2	0.000	-0.030	0.030	0.28	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-O-8 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1116-09 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	9.3	
	2	0.000	-0.030	0.030	9.6	3.2



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-O-8 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1116-10 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	13	
	2	0.000	-0.030	0.030	13	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-O-8 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1116-11 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.40	
	2	0.000	-0.030	0.030	0.42	2.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-3 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1116-13 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.12	
	2	0.000	-0.030	0.030	0.13	8.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-3 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1116-14 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.12	
	2	0.000	-0.030	0.030	0.12	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-3 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1116-15 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.83	
	2	0.000	-0.030	0.030	0.84	1.2

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-3 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1116-16 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.1	
	2	0.000	-0.030	0.030	1.1	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.14	
	2	0.000	-0.030	0.030	0.18	18.2

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-5 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1116-17RE1 Date(s) Analyzed: 08/03/2018 08/03/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.6	
	2	0.000	-0.030	0.030	1.6	0.0

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**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-5 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1116-18 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.58	
	2	0.000	-0.030	0.030	0.61	5.0



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-5 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1116-19 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.18	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-5 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1116-20 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.23	
	2	0.000	-0.030	0.030	0.25	8.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-7 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1116-21 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	6.5	
	2	0.000	-0.030	0.030	6.5	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

LCS
-----

Lab Sample ID:                     B209101-BS1                                          Date(s) Analyzed:           08/02/2018                     08/02/2018          

Instrument ID (1):                     ECD3                                          Instrument ID (2):                     ECD3                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.19	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.20	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

<b>LCS Dup</b>
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Lab Sample ID:                   B209101-BSD1                                        Date(s) Analyzed:           08/02/2018                     08/02/2018          

Instrument ID (1):                   ECD3                                                        Instrument ID (2):                   ECD3                  

GC Column (1):                                      ID:                      (mm)                      GC Column (2):                                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.18	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.19	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike**

*SW-846 8082A*

Lab Sample ID:           B209101-MS1                                Date(s) Analyzed:           08/02/2018                     08/02/2018          

Instrument ID (1):           ECD3                                                Instrument ID (2):           ECD3          

GC Column (1):                                      ID:                      (mm)                      GC Column (2):                                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.22	
	2	0.000	-0.030	0.030	0.23	4.4
Aroclor-1260	1	0.000	-0.030	0.030	0.47	
	2	0.000	-0.030	0.030	0.61	25.9

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike Dup**

*SW-846 8082A*

Lab Sample ID:                   B209101-MSD1                                        Date(s) Analyzed:           08/02/2018                     08/02/2018          

Instrument ID (1):                   ECD3                                                        Instrument ID (2):                   ECD3                  

GC Column (1):                                      ID:                      (mm)                      GC Column (2):                                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.21	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.44	
	2	0.000	-0.030	0.030	0.59	29.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

LCS
-----

Lab Sample ID:                   B209102-BS1                                        Date(s) Analyzed:           08/02/2018                     08/02/2018          

Instrument ID (1):                   ECD 9                                        Instrument ID (2):                   ECD 9                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.20	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.21	4.9



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

<b>LCS Dup</b>
----------------

Lab Sample ID:                     B209102-BSD1                                          Date(s) Analyzed:           08/02/2018                     08/02/2018          

Instrument ID (1):                     ECD 9                                          Instrument ID (2):                     ECD 9                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.20	5.1
Aroclor-1260	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.21	4.9

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

<b>LCS</b>
------------

*SW-846 8082A*

Lab Sample ID:                   B209314-BS1                                        Date(s) Analyzed:           08/03/2018                        08/03/2018          

Instrument ID (1):                   ECD1                                        Instrument ID (2):                   ECD1                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.17	5.7
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.15	12.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

*SW-846 8082A*

Lab Sample ID:                   B209314-BSD1                                        Date(s) Analyzed:           08/03/2018                     08/03/2018          

Instrument ID (1):                   ECD1                                        Instrument ID (2):                   ECD1                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.16	11.8
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.16	6.1

---

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
O-32	A dilution was performed as part of the standard analytical procedure.
R-02	Duplicate RPD is outside of control limits. Outlier can be attributed to sample non-homogeneity encountered during sample prep.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<b>SW-846 6010D in Soil</b>	
Lead	CT,NH,NY,AIHA,ME,VA,NC
<b>SW-846 8082A in Soil</b>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

39 Spruce Street  
East Longmeadow, MA 01028

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

Phone: 413-525-2332  
Fax: 413-525-6405  
Email: info@contestlabs.com

Company Name: **MEK**  
Address: **Winston + Sampson**  
Phone: **1-800-SAMPSON**

Project Name: **Scoverson d.f.**  
Project Location: **Conroy Park**  
Project Number: **Scoverson**

Project Manager: **JOR SPENCER**  
Con-Test Quote Name/Number:  
Invoice Recipient: **Taylor Smith**  
Sampled By: **11**

Requested Turnaround Time:  
7-Day  10-Day   
Due Date: **5 Oct**

Fast Approval Package:  
1-Day  3-Day   
2-Day  4-Day

Format: PDF  EXCEL   
Other:  
CLP Like Data Pkg Required:   
Email To: **Smith@scoverson.com**  
Fax To #:

Con-Test Work Order	Client Sample ID / Description	Preparation Date/Time	Analysis Date/Time	Matrix Code	Conc Code
01	B-K-1 (0-0.5)	7/25	1400	S	U
02	B-K-1 (0.5-1.5)	"	1401	S	U
03	B-K-1 (1.5-2.5)	"	1402	S	U
04	B-K-1 (2.5-3.5)	"	1403	S	U
	B-K-1 (3.5-5.5)	"	1404	S	U
	B-K-1 (5.5-7.5)	"	1405	S	U
	B-K-1 (7.5-9.5)	"	1406	S	U
	B-K-2 (9.5-11.5)	"	1407	S	U
05	B-K-1 (0-0.5)	"	1305	S	U
06	B-K-1 (0.5-1.5)	"	1306	S	U

Comments: **Samples w/ no checkered analyses to be held**

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) **[Signature]** Date/Time: **7/26/15 1615**

Received by: (signature) **[Signature]** Date/Time: **7/26/15 1615**

Relinquished by: (signature) **[Signature]** Date/Time: **7/16/15 1945**

Received by: (signature) **[Signature]** Date/Time: **7/26/15 1945**

Relinquished by: (signature) **[Signature]** Date/Time: **3.4 3.6**

Received by: (signature) **[Signature]**

Detection Limit Requirements	Special Requirements
MA <input checked="" type="checkbox"/>	MA MCP Required <input checked="" type="checkbox"/>
RI <input type="checkbox"/>	RI Certification Form Required <input type="checkbox"/>
CT <input type="checkbox"/>	CT RCP Required <input type="checkbox"/>
MA State DW Required <input type="checkbox"/>	RCP Certification Form Required <input type="checkbox"/>
PWSID #	

Project Entity:  
 Government  Municipality  MWRA  WRTA  
 Federal  21 J  School  AHA-LAP, LLC  
 City  Brownfield  MBTA

Other:  
 Soxhlet  Chromatogram  
 Non Soxhlet  AHA-LAP, LLC



39 Spruce Street  
East Longmeadow, MA 01028

186-1116

Phone: 413-525-2332  
Fax: 413-525-6405  
Email: info@contestlabs.com



Company Name: MEK

Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Project Name: Conway Park  
 Project Location: \_\_\_\_\_  
 Project Number: \_\_\_\_\_  
 Project Manager: \_\_\_\_\_  
 Con-Test Quote Name/Number: \_\_\_\_\_  
 Invoice Recipient: \_\_\_\_\_  
 Sampled By: \_\_\_\_\_

Requested Turnaround Time:  
 7-Day  10-Day   
 Due Date: \_\_\_\_\_  
 Rush Approval Required:   
 1-Day  3-Day   
 2-Day  4-Day   
 Data Delivery:  
 Format: PDF  EXCEL   
 Other: \_\_\_\_\_  
 CLP Like Data Pkg Required:   
 Email To: \_\_\_\_\_  
 Fax To #: \_\_\_\_\_

ANALYSIS REQUESTED

Priority	Sample ID / Description	Analysis Code	Matrix Code	Preservation Code	Container Code	# of Containers
1347	B-K-1 (1.5-2.5)	S	GW	I		
1348	B-K-2 (2.5-3.5)	S	GW	I		
1349	B-K-3 (3.5-4.5)	S	GW	I		
1350	B-K-4 (5.5-7.5)	S	GW	I		
1351	B-K-4 (7.5-11.5)	S	GW	I		
9:00	B-I-1 (0-0.5)	U	WW	I		
9:01	B-I-1 (0.5-1.5)	U	WW	I		
9:02	B-I-2 (1.5-2.5)	U	WW	I		
9:03	B-I-2 (2.5-3.5)	U	WW	I		
9:04	B-I-2 (3.5-5.5)	U	WW	I		

Comments: Samples w/ no checked analyses to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished By: [Signature] Date/Time: 7/26 16:15  
 Received By: [Signature] Date/Time: 7/26/18 16:15  
 Relinquished By: [Signature] Date/Time: 8/2/18 14:45  
 Received By: [Signature] Date/Time: 7/26/18 19:45  
 Relinquished By: [Signature] Date/Time: \_\_\_\_\_  
 Received By: [Signature] Date/Time: \_\_\_\_\_

Detection Limit	Special Requirements
MA	MA MCP Required <input type="checkbox"/>
	RCP Calibration Form Required <input type="checkbox"/>
CT	CT RCP Required <input type="checkbox"/>
	RCP Calibration Form Required <input type="checkbox"/>
Other	MA State DW Requirement <input type="checkbox"/>
	PWSD # _____

Project Entry:  
 Government  Municipality  MWRA  WRTA  
 Federal  21 J  School  AHA-LAP, LLC  
 City  Brownfield  MBTA  
 Other:  Chromatogram  Non Soxhlet

PCB ONLY:  
 Soxhlet  
 Non Soxhlet





Company Name: CONWAY  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Project Name: \_\_\_\_\_  
Project Location: \_\_\_\_\_  
Project Number: \_\_\_\_\_  
Project Manager: \_\_\_\_\_  
Con-Test Quote Name/Number: \_\_\_\_\_  
Invoice Recipient: \_\_\_\_\_  
Sampled By: \_\_\_\_\_

Requested Turnaround Time:  
7-Day  10-Day   
Due Date: \_\_\_\_\_  
Fast Approval Required:  
1-Day  3-Day   
2-Day  4-Day   
Data Delivery:  
Format: PDF  EXCEL   
Other: \_\_\_\_\_  
CLP Like Data Pkg Required:   
Email To: \_\_\_\_\_  
Fax To #: \_\_\_\_\_

Con-Test Work Order	Client Sample ID / Description	Sample Date/Time	Priority	Composite	Grab	Matrix Code	Matrix Code	Conc Code
09	B-0-11 (3.5-5.5)	7/24	1	1	1	S	U	
10	B-0-11 (5.5-7.5)	7/24	1	1	1	S	U	
11	B-0-8 (0-0.5)	7/24	1	1	1	S	U	
12	B-0-8 (0.5-1.5)	7/24	1	1	1	S	U	
	B-0-8 (1.5-2.5)	7/24	1	1	1	S	U	
	B-0-8 (2.5-3.5)	7/24	1	1	1	S	U	
	B-0-8 (3.5-5.5)	7/24	1	1	1	S	U	
	B-0-8 (5.5-7.5)	7/24	1	1	1	S	U	
	B-0-8 (7.5-9.5)	7/24	1	1	1	S	U	
	B-0-8 (9.5-11.5)	7/24	1	1	1	S	U	

Comments: *Samples w/ no checked analyses to be held*

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (Signature)	Date/Time	Detection Limit Requirements	Special Requirements
<i>[Signature]</i>	7/24	MA	MA MCP Required <input type="checkbox"/>
<i>[Signature]</i>	7/26/18 1615		RMCP Certification Form Required <input type="checkbox"/>
<i>[Signature]</i>	7/26/18 1945		CT RCP Required <input type="checkbox"/>
<i>[Signature]</i>	7/26/18 1945		RCP Certification Form Required <input type="checkbox"/>
<i>[Signature]</i>	7/26/18 1945		MA State DW Required <input type="checkbox"/>
<i>[Signature]</i>	7/26/18 1945		PROSID # _____
<i>[Signature]</i>	7/26/18 1945		
<i>[Signature]</i>	7/26/18 1945		



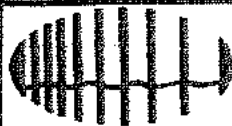
Project Entity:  
 Government  
 Federal  
 City  
 Municipality  
 21 J  
 Brownfield  
 MWRA  
 School  
 MBTA  
 WRTA  
 Chromatogram  
 AIHA-LAP, LLC

Other:  
 PCB ONLY  
 Soxhlet  
 Non Soxhlet









**con-test**  
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False**

Client W+S  
 Received By SE Date 7/26/18 Time 1945  
 How were the samples received? In Cooler T No Cooler \_\_\_\_\_ On Ice T No Ice \_\_\_\_\_  
 Direct from Sampling \_\_\_\_\_ Ambient \_\_\_\_\_ Melted Ice \_\_\_\_\_  
 Were samples within Temperature? 2-6°C T By Gun # 8 Actual Temp - 3.4, 3.6  
 By Blank # \_\_\_\_\_ Actual Temp - \_\_\_\_\_  
 Was Custody Seal Intact? N/A Were Samples Tampered with? N/A  
 Was COC Relinquished? T Does Chain Agree With Samples? FF\* *SE 7/26/18*  
 Are there broken/leaking/loose caps on any samples? F  
 Is COC in ink/ Legible? T Were samples received within holding time? T  
 Did COC include all pertinent information? Client T Analysis T Sampler Name T  
 Project T ID's T Collection Dates/Times T  
 Are Sample labels filled out and legible? T  
 Are there Lab to Filters? F Who was notified? \_\_\_\_\_  
 Are there Rushes? F Who was notified? \_\_\_\_\_  
 Are there Short Holds? F Who was notified? \_\_\_\_\_  
 Is there enough Volume? T  
 Is there Headspace where applicable? N/A MS/MSD? F  
 Proper Media/Containers Used? T Is splitting samples required? F  
 Were trip blanks received? F On COC? F  
 Do all samples have the proper pH? N/A Acid \_\_\_\_\_ Base \_\_\_\_\_

Viols	#	Containers	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear <i>21</i>
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

**Unused Media**

Viols	#	Containers	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

**Comments:**

\* Samples 5, 6, 7 + 8 say "B-K-3" on container, "B-K-1" on COC



August 2, 2018

Taylor Smith  
Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960

Project Location: Conway Park., Somerville, MA  
Client Job Number:  
Project Number: [none]  
Laboratory Work Order Number: 18G1117

Enclosed are results of analyses for samples received by the laboratory on July 26, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Meghan E. Kelley". The signature is written in a cursive style with a large, sweeping flourish at the end.

Meghan E. Kelley  
Project Manager

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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 8/2/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1117

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-I-7 (0.5-1.5)	18G1117-01	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-I-7 (1.5-2.5)	18G1117-02	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-I-7 (2.5-3.5)	18G1117-03	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-I-9 (0-0.5)	18G1117-04	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-I-9 (0.5-1.5)	18G1117-05	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-I-9 (1.5-2.5)	18G1117-06	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-I-9 (2.5-3.5)	18G1117-07	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-I-11 (0-0.5)	18G1117-08	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-I-11 (0.5-1.5)	18G1117-09	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-I-11 (1.5-2.5)	18G1117-10	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-I-11 (2.5-3.5)	18G1117-11	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-G-11 (0-0.5)	18G1117-12	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-G-11 (0.5-1.5)	18G1117-13	Soil		SM 2540G SW-846 6010D SW-846 8082A	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 8/2/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1117

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-G-11 (1.5-2.5)	18G1117-14	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-G-11 (2.5-3.5)	18G1117-15	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-G-9 (0-0.5)	18G1117-16	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-G-9 (0.5-1.5)	18G1117-17	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-G-9 (1.5-2.5)	18G1117-18	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-G-9 (2.5-3.5)	18G1117-19	Soil		SM 2540G SW-846 6010D SW-846 8082A	

## CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

## SW-846 6010D

**Qualifications:****MS-19**

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

**Analyte & Samples(s) Qualified:****Lead**

18G1117-08[B-I-11 (0-0.5)], B209158-MS1

## SW-846 8082A

**Qualifications:****O-32**

A dilution was performed as part of the standard analytical procedure.

**Analyte & Samples(s) Qualified:**

18G1117-02[B-I-7 (1.5-2.5)], 18G1117-10[B-I-11 (1.5-2.5)], 18G1117-11[B-I-11 (2.5-3.5)]

**S-01**

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**Analyte & Samples(s) Qualified:****Decachlorobiphenyl**

18G1117-04[B-I-9 (0-0.5)], 18G1117-08[B-I-11 (0-0.5)], 18G1117-16[B-G-9 (0-0.5)]

**Decachlorobiphenyl [2C]**

18G1117-04[B-I-9 (0-0.5)], 18G1117-08[B-I-11 (0-0.5)], 18G1117-16[B-G-9 (0-0.5)]

**Tetrachloro-m-xylene**

18G1117-04[B-I-9 (0-0.5)], 18G1117-08[B-I-11 (0-0.5)], 18G1117-16[B-G-9 (0-0.5)]

**Tetrachloro-m-xylene [2C]**

18G1117-04[B-I-9 (0-0.5)], 18G1117-08[B-I-11 (0-0.5)], 18G1117-16[B-G-9 (0-0.5)]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington  
Project Manager

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-1-7 (0.5-1.5)

Sampled: 7/26/2018 10:16

Sample ID: 18G1117-01

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:59	KAL
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:59	KAL
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:59	KAL
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:59	KAL
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:59	KAL
Aroclor-1254 [2]	0.64	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:59	KAL
Aroclor-1260 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:59	KAL
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:59	KAL
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 6:59	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		105	30-150					8/2/18 6:59	
Decachlorobiphenyl [2]		113	30-150					8/2/18 6:59	
Tetrachloro-m-xylene [1]		92.5	30-150					8/2/18 6:59	
Tetrachloro-m-xylene [2]		109	30-150					8/2/18 6:59	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-1-7 (0.5-1.5)

Sampled: 7/26/2018 10:16

Sample ID: 18G1117-01

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	42	0.51	mg/Kg dry	1		SW-846 6010D	7/31/18	8/2/18 11:28	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-1-7 (0.5-1.5)

Sampled: 7/26/2018 10:16

Sample ID: 18G1117-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.7		% Wt	1		SM 2540G	7/31/18	8/1/18 13:16	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-1-7 (1.5-2.5)

Sampled: 7/26/2018 10:17

Sample ID: 18G1117-02

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:11	KAL
Aroclor-1221 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:11	KAL
Aroclor-1232 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:11	KAL
Aroclor-1242 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:11	KAL
Aroclor-1248 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:11	KAL
Aroclor-1254 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:11	KAL
Aroclor-1260 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:11	KAL
Aroclor-1262 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:11	KAL
Aroclor-1268 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:11	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		103	30-150					8/2/18 7:11	
Decachlorobiphenyl [2]		110	30-150					8/2/18 7:11	
Tetrachloro-m-xylene [1]		91.9	30-150					8/2/18 7:11	
Tetrachloro-m-xylene [2]		111	30-150					8/2/18 7:11	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-I-7 (1.5-2.5)

Sampled: 7/26/2018 10:17

Sample ID: 18G1117-02

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	6.0	0.51	mg/Kg dry	1		SW-846 6010D	7/31/18	8/2/18 11:34	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-1-7 (1.5-2.5)

Sampled: 7/26/2018 10:17

Sample ID: 18G1117-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.1		% Wt	1		SM 2540G	7/31/18	8/1/18 13:16	JFC



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-1-7 (2.5-3.5)

Sampled: 7/26/2018 10:18

Sample ID: 18G1117-03

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:24	KAL
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:24	KAL
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:24	KAL
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:24	KAL
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:24	KAL
Aroclor-1254 [2]	1.0	0.089	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:24	KAL
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:24	KAL
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:24	KAL
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:24	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		98.6	30-150					8/2/18 7:24	
Decachlorobiphenyl [2]		105	30-150					8/2/18 7:24	
Tetrachloro-m-xylene [1]		85.9	30-150					8/2/18 7:24	
Tetrachloro-m-xylene [2]		101	30-150					8/2/18 7:24	

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-I-7 (2.5-3.5)

Sampled: 7/26/2018 10:18

Sample ID: 18G1117-03

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	76	0.55	mg/Kg dry	1		SW-846 6010D	7/31/18	8/2/18 11:39	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-1-7 (2.5-3.5)

Sampled: 7/26/2018 10:18

Sample ID: 18G1117-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.0		% Wt	1		SM 2540G	7/31/18	8/1/18 13:16	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-1-9 (0-0.5)

Sampled: 7/26/2018 11:30

Sample ID: 18G1117-04

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	7/31/18	8/2/18 12:10	KAL
Aroclor-1221 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	7/31/18	8/2/18 12:10	KAL
Aroclor-1232 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	7/31/18	8/2/18 12:10	KAL
Aroclor-1242 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	7/31/18	8/2/18 12:10	KAL
Aroclor-1248 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	7/31/18	8/2/18 12:10	KAL
Aroclor-1254 [2]	26	4.4	mg/Kg dry	200		SW-846 8082A	7/31/18	8/2/18 12:10	KAL
Aroclor-1260 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	7/31/18	8/2/18 12:10	KAL
Aroclor-1262 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	7/31/18	8/2/18 12:10	KAL
Aroclor-1268 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	7/31/18	8/2/18 12:10	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/2/18 12:10	
Decachlorobiphenyl [2]		*	30-150		S-01			8/2/18 12:10	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/2/18 12:10	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/2/18 12:10	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-I-9 (0-0.5)

Sampled: 7/26/2018 11:30

Sample ID: 18G1117-04

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	300	0.58	mg/Kg dry	1		SW-846 6010D	7/31/18	8/2/18 11:45	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-1-9 (0-0.5)

Sampled: 7/26/2018 11:30

Sample ID: 18G1117-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.1		% Wt	1		SM 2540G	7/31/18	8/1/18 13:16	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-1-9 (0.5-1.5)

Sampled: 7/26/2018 11:31

Sample ID: 18G1117-05

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:48	KAL
Aroclor-1221 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:48	KAL
Aroclor-1232 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:48	KAL
Aroclor-1242 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:48	KAL
Aroclor-1248 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:48	KAL
Aroclor-1254 [2]	0.48	0.080	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:48	KAL
Aroclor-1260 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:48	KAL
Aroclor-1262 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:48	KAL
Aroclor-1268 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 7:48	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		95.7	30-150					8/2/18 7:48	
Decachlorobiphenyl [2]		102	30-150					8/2/18 7:48	
Tetrachloro-m-xylene [1]		87.0	30-150					8/2/18 7:48	
Tetrachloro-m-xylene [2]		106	30-150					8/2/18 7:48	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-I-9 (0.5-1.5)

Sampled: 7/26/2018 11:31

Sample ID: 18G1117-05

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	18	0.49	mg/Kg dry	1		SW-846 6010D	7/31/18	8/2/18 11:51	QNW



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-1-9 (0.5-1.5)

Sampled: 7/26/2018 11:31

Sample ID: 18G1117-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.3		% Wt	1		SM 2540G	7/31/18	8/1/18 13:16	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-1-9 (1.5-2.5)

Sampled: 7/26/2018 11:32

Sample ID: 18G1117-06

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:00	KAL
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:00	KAL
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:00	KAL
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:00	KAL
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:00	KAL
Aroclor-1254 [2]	0.12	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:00	KAL
Aroclor-1260 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:00	KAL
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:00	KAL
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:00	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	93.1		30-150				8/2/18 8:00		
Decachlorobiphenyl [2]	101		30-150				8/2/18 8:00		
Tetrachloro-m-xylene [1]	83.0		30-150				8/2/18 8:00		
Tetrachloro-m-xylene [2]	100		30-150				8/2/18 8:00		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-I-9 (1.5-2.5)

Sampled: 7/26/2018 11:32

Sample ID: 18G1117-06

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	7.2	0.51	mg/Kg dry	1		SW-846 6010D	7/31/18	8/2/18 11:57	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-1-9 (1.5-2.5)

Sampled: 7/26/2018 11:32

Sample ID: 18G1117-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	97.2		% Wt	1		SM 2540G	7/31/18	8/1/18 13:16	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-1-9 (2.5-3.5)

Sampled: 7/26/2018 11:33

Sample ID: 18G1117-07

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:13	KAL
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:13	KAL
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:13	KAL
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:13	KAL
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:13	KAL
Aroclor-1254 [2]	0.47	0.093	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:13	KAL
Aroclor-1260 [2]	0.37	0.093	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:13	KAL
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:13	KAL
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:13	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	106		30-150				8/2/18 8:13		
Decachlorobiphenyl [2]	129		30-150				8/2/18 8:13		
Tetrachloro-m-xylene [1]	87.0		30-150				8/2/18 8:13		
Tetrachloro-m-xylene [2]	102		30-150				8/2/18 8:13		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-1-9 (2.5-3.5)

Sampled: 7/26/2018 11:33

Sample ID: 18G1117-07

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	880	0.56	mg/Kg dry	1		SW-846 6010D	7/31/18	8/2/18 12:14	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-1-9 (2.5-3.5)

Sampled: 7/26/2018 11:33

Sample ID: 18G1117-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.3		% Wt	1		SM 2540G	7/31/18	8/1/18 13:16	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-I-11 (0-0.5)

Sampled: 7/26/2018 11:40

Sample ID: 18G1117-08

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:27	KAL
Aroclor-1221 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:27	KAL
Aroclor-1232 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:27	KAL
Aroclor-1242 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:27	KAL
Aroclor-1248 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:27	KAL
Aroclor-1254 [2]	5.7	0.90	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:27	KAL
Aroclor-1260 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:27	KAL
Aroclor-1262 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:27	KAL
Aroclor-1268 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 12:27	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/2/18 12:27	
Decachlorobiphenyl [2]		*	30-150		S-01			8/2/18 12:27	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/2/18 12:27	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/2/18 12:27	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-I-11 (0-0.5)

Sampled: 7/26/2018 11:40

Sample ID: 18G1117-08

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	180	0.56	mg/Kg dry	1	MS-19	SW-846 6010D	7/31/18	8/2/18 11:16	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-I-11 (0-0.5)

Sampled: 7/26/2018 11:40

Sample ID: 18G1117-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.6		% Wt	1		SM 2540G	7/31/18	8/1/18 13:17	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-I-11 (0.5-1.5)

Sampled: 7/26/2018 11:41

Sample ID: 18G1117-09

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/31/18	8/2/18 12:45	KAL
Aroclor-1221 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/31/18	8/2/18 12:45	KAL
Aroclor-1232 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/31/18	8/2/18 12:45	KAL
Aroclor-1242 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/31/18	8/2/18 12:45	KAL
Aroclor-1248 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/31/18	8/2/18 12:45	KAL
Aroclor-1254 [2]	3.2	0.41	mg/Kg dry	20		SW-846 8082A	7/31/18	8/2/18 12:45	KAL
Aroclor-1260 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/31/18	8/2/18 12:45	KAL
Aroclor-1262 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/31/18	8/2/18 12:45	KAL
Aroclor-1268 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/31/18	8/2/18 12:45	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		100	30-150					8/2/18 12:45	
Decachlorobiphenyl [2]		122	30-150					8/2/18 12:45	
Tetrachloro-m-xylene [1]		80.4	30-150					8/2/18 12:45	
Tetrachloro-m-xylene [2]		96.6	30-150					8/2/18 12:45	

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-I-11 (0.5-1.5)

Sampled: 7/26/2018 11:41

Sample ID: 18G1117-09

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	850	0.53	mg/Kg dry	1		SW-846 6010D	7/31/18	8/2/18 12:20	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-I-11 (0.5-1.5)

Sampled: 7/26/2018 11:41

Sample ID: 18G1117-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.0		% Wt	1		SM 2540G	7/31/18	8/1/18 13:17	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-I-11 (1.5-2.5)

Sampled: 7/26/2018 11:42

Sample ID: 18G1117-10

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:49	KAL
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:49	KAL
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:49	KAL
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:49	KAL
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:49	KAL
Aroclor-1254 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:49	KAL
Aroclor-1260 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:49	KAL
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:49	KAL
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 8:49	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		87.1	30-150					8/2/18 8:49	
Decachlorobiphenyl [2]		94.2	30-150					8/2/18 8:49	
Tetrachloro-m-xylene [1]		87.4	30-150					8/2/18 8:49	
Tetrachloro-m-xylene [2]		107	30-150					8/2/18 8:49	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-I-11 (1.5-2.5)

Sampled: 7/26/2018 11:42

Sample ID: 18G1117-10

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	300	0.56	mg/Kg dry	1		SW-846 6010D	7/31/18	8/2/18 12:26	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-I-11 (1.5-2.5)

Sampled: 7/26/2018 11:42

Sample ID: 18G1117-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.5		% Wt	1		SM 2540G	7/31/18	8/1/18 13:17	JFC



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-I-11 (2.5-3.5)

Sampled: 7/26/2018 11:43

Sample ID: 18G1117-11

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 11:40	KAL
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 11:40	KAL
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 11:40	KAL
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 11:40	KAL
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 11:40	KAL
Aroclor-1254 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 11:40	KAL
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 11:40	KAL
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 11:40	KAL
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 11:40	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		101	30-150					8/2/18 11:40	
Decachlorobiphenyl [2]		110	30-150					8/2/18 11:40	
Tetrachloro-m-xylene [1]		88.3	30-150					8/2/18 11:40	
Tetrachloro-m-xylene [2]		110	30-150					8/2/18 11:40	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-I-11 (2.5-3.5)

Sampled: 7/26/2018 11:43

Sample ID: 18G1117-11

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	6.0	0.57	mg/Kg dry	1		SW-846 6010D	7/31/18	8/2/18 12:33	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-I-11 (2.5-3.5)

Sampled: 7/26/2018 11:43

Sample ID: 18G1117-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.5		% Wt	1		SM 2540G	7/31/18	8/1/18 13:17	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-G-11 (0-0.5)

Sampled: 7/26/2018 12:05

Sample ID: 18G1117-12

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	7/31/18	8/2/18 13:30	KAL
Aroclor-1221 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	7/31/18	8/2/18 13:30	KAL
Aroclor-1232 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	7/31/18	8/2/18 13:30	KAL
Aroclor-1242 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	7/31/18	8/2/18 13:30	KAL
Aroclor-1248 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	7/31/18	8/2/18 13:30	KAL
Aroclor-1254 [2]	3.8	0.45	mg/Kg dry	20		SW-846 8082A	7/31/18	8/2/18 13:30	KAL
Aroclor-1260 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	7/31/18	8/2/18 13:30	KAL
Aroclor-1262 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	7/31/18	8/2/18 13:30	KAL
Aroclor-1268 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	7/31/18	8/2/18 13:30	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		102	30-150					8/2/18 13:30	
Decachlorobiphenyl [2]		112	30-150					8/2/18 13:30	
Tetrachloro-m-xylene [1]		83.3	30-150					8/2/18 13:30	
Tetrachloro-m-xylene [2]		108	30-150					8/2/18 13:30	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-G-11 (0-0.5)

Sampled: 7/26/2018 12:05

Sample ID: 18G1117-12

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	140	0.56	mg/Kg dry	1		SW-846 6010D	7/31/18	8/2/18 12:38	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-G-11 (0-0.5)

Sampled: 7/26/2018 12:05

Sample ID: 18G1117-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.1		% Wt	1		SM 2540G	7/31/18	8/1/18 13:17	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-G-11 (0.5-1.5)

Sampled: 7/26/2018 12:06

Sample ID: 18G1117-13

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:50	KAL
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:50	KAL
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:50	KAL
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:50	KAL
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:50	KAL
Aroclor-1254 [2]	0.89	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:50	KAL
Aroclor-1260 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:50	KAL
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:50	KAL
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 9:50	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		90.9	30-150					8/2/18 9:50	
Decachlorobiphenyl [2]		101	30-150					8/2/18 9:50	
Tetrachloro-m-xylene [1]		84.2	30-150					8/2/18 9:50	
Tetrachloro-m-xylene [2]		99.6	30-150					8/2/18 9:50	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-G-11 (0.5-1.5)

Sampled: 7/26/2018 12:06

Sample ID: 18G1117-13

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	42	0.51	mg/Kg dry	1		SW-846 6010D	7/31/18	8/2/18 12:44	QNW



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-G-11 (0.5-1.5)

Sampled: 7/26/2018 12:06

Sample ID: 18G1117-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.2		% Wt	1		SM 2540G	7/31/18	8/1/18 13:17	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-G-11 (1.5-2.5)

Sampled: 7/26/2018 12:07

Sample ID: 18G1117-14

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	7/31/18	8/2/18 13:43	KAL
Aroclor-1221 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	7/31/18	8/2/18 13:43	KAL
Aroclor-1232 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	7/31/18	8/2/18 13:43	KAL
Aroclor-1242 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	7/31/18	8/2/18 13:43	KAL
Aroclor-1248 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	7/31/18	8/2/18 13:43	KAL
Aroclor-1254 [2]	2.5	0.45	mg/Kg dry	20		SW-846 8082A	7/31/18	8/2/18 13:43	KAL
Aroclor-1260 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	7/31/18	8/2/18 13:43	KAL
Aroclor-1262 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	7/31/18	8/2/18 13:43	KAL
Aroclor-1268 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	7/31/18	8/2/18 13:43	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		107	30-150					8/2/18 13:43	
Decachlorobiphenyl [2]		123	30-150					8/2/18 13:43	
Tetrachloro-m-xylene [1]		89.0	30-150					8/2/18 13:43	
Tetrachloro-m-xylene [2]		109	30-150					8/2/18 13:43	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-G-11 (1.5-2.5)

Sampled: 7/26/2018 12:07

Sample ID: 18G1117-14

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	350	0.57	mg/Kg dry	1		SW-846 6010D	7/31/18	8/2/18 12:50	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-G-11 (1.5-2.5)

Sampled: 7/26/2018 12:07

Sample ID: 18G1117-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.0		% Wt	1		SM 2540G	7/31/18	8/1/18 13:17	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-G-11 (2.5-3.5)

Sampled: 7/26/2018 12:08

Sample ID: 18G1117-15

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:15	KAL
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:15	KAL
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:15	KAL
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:15	KAL
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:15	KAL
Aroclor-1254 [2]	0.59	0.089	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:15	KAL
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:15	KAL
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:15	KAL
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:15	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.0	30-150					8/2/18 10:15	
Decachlorobiphenyl [2]		96.2	30-150					8/2/18 10:15	
Tetrachloro-m-xylene [1]		77.4	30-150					8/2/18 10:15	
Tetrachloro-m-xylene [2]		90.3	30-150					8/2/18 10:15	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-G-11 (2.5-3.5)

Sampled: 7/26/2018 12:08

Sample ID: 18G1117-15

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	130	0.56	mg/Kg dry	1		SW-846 6010D	7/31/18	8/2/18 12:56	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-G-11 (2.5-3.5)

Sampled: 7/26/2018 12:08

Sample ID: 18G1117-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.0		% Wt	1		SM 2540G	7/31/18	8/1/18 13:18	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-G-9 (0-0.5)

Sampled: 7/26/2018 12:25

Sample ID: 18G1117-16

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 13:55	KAL
Aroclor-1221 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 13:55	KAL
Aroclor-1232 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 13:55	KAL
Aroclor-1242 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 13:55	KAL
Aroclor-1248 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 13:55	KAL
Aroclor-1254 [2]	6.2	0.92	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 13:55	KAL
Aroclor-1260 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 13:55	KAL
Aroclor-1262 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 13:55	KAL
Aroclor-1268 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	7/31/18	8/2/18 13:55	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/2/18 13:55	
Decachlorobiphenyl [2]		*	30-150		S-01			8/2/18 13:55	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/2/18 13:55	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/2/18 13:55	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-G-9 (0-0.5)

Sampled: 7/26/2018 12:25

Sample ID: 18G1117-16

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	110	0.57	mg/Kg dry	1		SW-846 6010D	7/31/18	8/2/18 13:03	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-G-9 (0-0.5)

Sampled: 7/26/2018 12:25

Sample ID: 18G1117-16

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.9		% Wt	1		SM 2540G	7/31/18	8/1/18 13:18	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-G-9 (0.5-1.5)

Sampled: 7/26/2018 12:26

Sample ID: 18G1117-17

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:39	KAL
Aroclor-1221 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:39	KAL
Aroclor-1232 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:39	KAL
Aroclor-1242 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:39	KAL
Aroclor-1248 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:39	KAL
Aroclor-1254 [2]	0.57	0.081	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:39	KAL
Aroclor-1260 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:39	KAL
Aroclor-1262 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:39	KAL
Aroclor-1268 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 10:39	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		89.5	30-150					8/2/18 10:39	
Decachlorobiphenyl [2]		97.3	30-150					8/2/18 10:39	
Tetrachloro-m-xylene [1]		83.6	30-150					8/2/18 10:39	
Tetrachloro-m-xylene [2]		103	30-150					8/2/18 10:39	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-G-9 (0.5-1.5)

Sampled: 7/26/2018 12:26

Sample ID: 18G1117-17

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	20	0.55	mg/Kg dry	1		SW-846 6010D	7/31/18	8/2/18 13:09	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-G-9 (0.5-1.5)

Sampled: 7/26/2018 12:26

Sample ID: 18G1117-17

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.8		% Wt	1		SM 2540G	7/31/18	8/1/18 13:18	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-G-9 (1.5-2.5)

Sampled: 7/26/2018 12:27

Sample ID: 18G1117-18

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	7/31/18	8/2/18 14:07	KAL
Aroclor-1221 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	7/31/18	8/2/18 14:07	KAL
Aroclor-1232 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	7/31/18	8/2/18 14:07	KAL
Aroclor-1242 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	7/31/18	8/2/18 14:07	KAL
Aroclor-1248 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	7/31/18	8/2/18 14:07	KAL
Aroclor-1254 [2]	2.3	0.44	mg/Kg dry	20		SW-846 8082A	7/31/18	8/2/18 14:07	KAL
Aroclor-1260 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	7/31/18	8/2/18 14:07	KAL
Aroclor-1262 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	7/31/18	8/2/18 14:07	KAL
Aroclor-1268 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	7/31/18	8/2/18 14:07	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		101	30-150					8/2/18 14:07	
Decachlorobiphenyl [2]		113	30-150					8/2/18 14:07	
Tetrachloro-m-xylene [1]		82.1	30-150					8/2/18 14:07	
Tetrachloro-m-xylene [2]		107	30-150					8/2/18 14:07	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-G-9 (1.5-2.5)

Sampled: 7/26/2018 12:27

Sample ID: 18G1117-18

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	470	0.56	mg/Kg dry	1		SW-846 6010D	7/31/18	8/2/18 13:25	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-G-9 (1.5-2.5)

Sampled: 7/26/2018 12:27

Sample ID: 18G1117-18

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.1		% Wt	1		SM 2540G	7/31/18	8/1/18 13:18	JFC



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-G-9 (2.5-3.5)

Sampled: 7/26/2018 12:28

Sample ID: 18G1117-19

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 11:04	KAL
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 11:04	KAL
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 11:04	KAL
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 11:04	KAL
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 11:04	KAL
Aroclor-1254 [2]	0.10	0.088	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 11:04	KAL
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 11:04	KAL
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 11:04	KAL
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/31/18	8/2/18 11:04	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	88.5		30-150				8/2/18 11:04		
Decachlorobiphenyl [2]	97.9		30-150				8/2/18 11:04		
Tetrachloro-m-xylene [1]	79.0		30-150				8/2/18 11:04		
Tetrachloro-m-xylene [2]	95.2		30-150				8/2/18 11:04		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-G-9 (2.5-3.5)

Sampled: 7/26/2018 12:28

Sample ID: 18G1117-19

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	310	0.53	mg/Kg dry	1		SW-846 6010D	7/31/18	8/2/18 13:32	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1117

Date Received: 7/26/2018

Field Sample #: B-G-9 (2.5-3.5)

Sampled: 7/26/2018 12:28

Sample ID: 18G1117-19

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.6		% Wt	1		SM 2540G	7/31/18	8/1/18 13:18	JFC

**Sample Extraction Data**

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18G1117-01 [B-I-7 (0.5-1.5)]	B209115	07/31/18
18G1117-02 [B-I-7 (1.5-2.5)]	B209115	07/31/18
18G1117-03 [B-I-7 (2.5-3.5)]	B209115	07/31/18
18G1117-04 [B-I-9 (0-0.5)]	B209115	07/31/18
18G1117-05 [B-I-9 (0.5-1.5)]	B209115	07/31/18
18G1117-06 [B-I-9 (1.5-2.5)]	B209115	07/31/18
18G1117-07 [B-I-9 (2.5-3.5)]	B209115	07/31/18
18G1117-08 [B-I-11 (0-0.5)]	B209115	07/31/18
18G1117-09 [B-I-11 (0.5-1.5)]	B209115	07/31/18
18G1117-10 [B-I-11 (1.5-2.5)]	B209115	07/31/18
18G1117-11 [B-I-11 (2.5-3.5)]	B209115	07/31/18
18G1117-12 [B-G-11 (0-0.5)]	B209115	07/31/18
18G1117-13 [B-G-11 (0.5-1.5)]	B209115	07/31/18
18G1117-14 [B-G-11 (1.5-2.5)]	B209115	07/31/18
18G1117-15 [B-G-11 (2.5-3.5)]	B209115	07/31/18
18G1117-16 [B-G-9 (0-0.5)]	B209115	07/31/18
18G1117-17 [B-G-9 (0.5-1.5)]	B209115	07/31/18
18G1117-18 [B-G-9 (1.5-2.5)]	B209115	07/31/18
18G1117-19 [B-G-9 (2.5-3.5)]	B209115	07/31/18

**Prep Method: SW-846 3050B-SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1117-01 [B-I-7 (0.5-1.5)]	B209158	1.54	50.0	07/31/18
18G1117-02 [B-I-7 (1.5-2.5)]	B209158	1.53	50.0	07/31/18
18G1117-03 [B-I-7 (2.5-3.5)]	B209158	1.53	50.0	07/31/18
18G1117-04 [B-I-9 (0-0.5)]	B209158	1.47	50.0	07/31/18
18G1117-05 [B-I-9 (0.5-1.5)]	B209158	1.60	50.0	07/31/18
18G1117-06 [B-I-9 (1.5-2.5)]	B209158	1.50	50.0	07/31/18
18G1117-07 [B-I-9 (2.5-3.5)]	B209158	1.58	50.0	07/31/18
18G1117-08 [B-I-11 (0-0.5)]	B209158	1.54	50.0	07/31/18
18G1117-09 [B-I-11 (0.5-1.5)]	B209158	1.54	50.0	07/31/18
18G1117-10 [B-I-11 (1.5-2.5)]	B209158	1.48	50.0	07/31/18
18G1117-11 [B-I-11 (2.5-3.5)]	B209158	1.53	50.0	07/31/18
18G1117-12 [B-G-11 (0-0.5)]	B209158	1.50	50.0	07/31/18
18G1117-13 [B-G-11 (0.5-1.5)]	B209158	1.53	50.0	07/31/18
18G1117-14 [B-G-11 (1.5-2.5)]	B209158	1.50	50.0	07/31/18
18G1117-15 [B-G-11 (2.5-3.5)]	B209158	1.56	50.0	07/31/18
18G1117-16 [B-G-9 (0-0.5)]	B209158	1.57	50.0	07/31/18
18G1117-17 [B-G-9 (0.5-1.5)]	B209158	1.45	50.0	07/31/18
18G1117-18 [B-G-9 (1.5-2.5)]	B209158	1.49	50.0	07/31/18
18G1117-19 [B-G-9 (2.5-3.5)]	B209158	1.57	50.0	07/31/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1117-01 [B-I-7 (0.5-1.5)]	B209136	10.2	10.0	07/31/18
18G1117-02 [B-I-7 (1.5-2.5)]	B209136	10.6	10.0	07/31/18
18G1117-03 [B-I-7 (2.5-3.5)]	B209136	10.1	10.0	07/31/18
18G1117-04 [B-I-9 (0-0.5)]	B209136	10.4	10.0	07/31/18
18G1117-05 [B-I-9 (0.5-1.5)]	B209136	10.4	10.0	07/31/18
18G1117-06 [B-I-9 (1.5-2.5)]	B209136	10.0	10.0	07/31/18
18G1117-07 [B-I-9 (2.5-3.5)]	B209136	10.1	10.0	07/31/18

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**Sample Extraction Data****Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1117-08 [B-I-11 (0-0.5)]	B209136	10.2	10.0	07/31/18
18G1117-09 [B-I-11 (0.5-1.5)]	B209136	10.5	10.0	07/31/18
18G1117-10 [B-I-11 (1.5-2.5)]	B209136	10.2	10.0	07/31/18
18G1117-11 [B-I-11 (2.5-3.5)]	B209136	10.2	10.0	07/31/18
18G1117-12 [B-G-11 (0-0.5)]	B209136	10.0	10.0	07/31/18
18G1117-13 [B-G-11 (0.5-1.5)]	B209136	10.1	10.0	07/31/18
18G1117-14 [B-G-11 (1.5-2.5)]	B209136	10.1	10.0	07/31/18
18G1117-15 [B-G-11 (2.5-3.5)]	B209136	10.4	10.0	07/31/18
18G1117-16 [B-G-9 (0-0.5)]	B209136	10.4	10.0	07/31/18
18G1117-17 [B-G-9 (0.5-1.5)]	B209136	10.5	10.0	07/31/18
18G1117-18 [B-G-9 (1.5-2.5)]	B209136	10.0	10.0	07/31/18
18G1117-19 [B-G-9 (2.5-3.5)]	B209136	10.2	10.0	07/31/18

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209136 - SW-846 3540C</b>										
<b>Blank (B209136-BLK1)</b>										
Prepared: 07/31/18 Analyzed: 08/02/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.208		mg/Kg wet	0.200		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.228		mg/Kg wet	0.200		114	30-150			
Surrogate: Tetrachloro-m-xylene	0.174		mg/Kg wet	0.200		87.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.208		mg/Kg wet	0.200		104	30-150			
<b>LCS (B209136-BS1)</b>										
Prepared: 07/31/18 Analyzed: 08/02/18										
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		86.4	40-140			
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		99.9	40-140			
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		86.5	40-140			
Aroclor-1260 [2C]	0.21	0.020	mg/Kg wet	0.200		105	40-140			
Surrogate: Decachlorobiphenyl	0.208		mg/Kg wet	0.200		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.228		mg/Kg wet	0.200		114	30-150			
Surrogate: Tetrachloro-m-xylene	0.159		mg/Kg wet	0.200		79.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.186		mg/Kg wet	0.200		93.1	30-150			
<b>LCS Dup (B209136-BSD1)</b>										
Prepared: 07/31/18 Analyzed: 08/02/18										
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		86.3	40-140	0.221	30	
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		99.6	40-140	0.303	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		84.3	40-140	2.56	30	
Aroclor-1260 [2C]	0.21	0.020	mg/Kg wet	0.200		103	40-140	2.30	30	
Surrogate: Decachlorobiphenyl	0.201		mg/Kg wet	0.200		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.221		mg/Kg wet	0.200		110	30-150			
Surrogate: Tetrachloro-m-xylene	0.170		mg/Kg wet	0.200		85.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.200		mg/Kg wet	0.200		99.9	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B209136 - SW-846 3540C**

**Matrix Spike (B209136-MS1)**

**Source: 18G1117-01**

Prepared: 07/31/18 Analyzed: 08/02/18

Aroclor-1016	0.19	0.080	mg/Kg dry	0.199	ND	94.9	40-140			
Aroclor-1016 [2C]	0.19	0.080	mg/Kg dry	0.199	ND	94.1	40-140			
Aroclor-1260	0.21	0.080	mg/Kg dry	0.199	ND	103	40-140			
Aroclor-1260 [2C]	0.23	0.080	mg/Kg dry	0.199	ND	113	40-140			
Surrogate: Decachlorobiphenyl	0.167		mg/Kg dry	0.199		83.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.181		mg/Kg dry	0.199		91.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.147		mg/Kg dry	0.199		73.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.173		mg/Kg dry	0.199		87.0	30-150			

**Matrix Spike Dup (B209136-MSD1)**

**Source: 18G1117-01**

Prepared: 07/31/18 Analyzed: 08/02/18

Aroclor-1016	0.21	0.083	mg/Kg dry	0.207	ND	101	40-140	10.4	50	
Aroclor-1016 [2C]	0.21	0.083	mg/Kg dry	0.207	ND	101	40-140	11.1	50	
Aroclor-1260	0.24	0.083	mg/Kg dry	0.207	ND	115	40-140	14.8	50	
Aroclor-1260 [2C]	0.26	0.083	mg/Kg dry	0.207	ND	128	40-140	16.2	50	
Surrogate: Decachlorobiphenyl	0.183		mg/Kg dry	0.207		88.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.200		mg/Kg dry	0.207		96.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.170		mg/Kg dry	0.207		82.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.202		mg/Kg dry	0.207		97.6	30-150			

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**QUALITY CONTROL**

**Metals Analyses (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209158 - SW-846 3050B</b>										
<b>Blank (B209158-BLK1)</b>					Prepared: 07/31/18 Analyzed: 08/02/18					
Lead	ND	0.50	mg/Kg wet							
<b>LCS (B209158-BS1)</b>					Prepared: 07/31/18 Analyzed: 08/02/18					
Lead	116	1.5	mg/Kg wet	111		105	83-117.1			
<b>LCS Dup (B209158-BSD1)</b>					Prepared: 07/31/18 Analyzed: 08/02/18					
Lead	114	1.5	mg/Kg wet	111		103	83-117.1	1.89	30	
<b>Duplicate (B209158-DUP1)</b>					<b>Source: 18G1117-08</b> Prepared: 07/31/18 Analyzed: 08/02/18					
Lead	170	0.56	mg/Kg dry		178			4.70	35	
<b>MRL Check (B209158-MRL1)</b>					Prepared: 07/31/18 Analyzed: 08/02/18					
Lead	0.539	0.50	mg/Kg wet	0.499		108	80-120			
<b>Matrix Spike (B209158-MS1)</b>					<b>Source: 18G1117-08</b> Prepared: 07/31/18 Analyzed: 08/02/18					
Lead	218	0.56	mg/Kg dry	18.6	178	<b>218</b> *	75-125			MS-19



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**QUALITY CONTROL**

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209115 - % Solids</b>										
<b>Duplicate (B209115-DUP1)</b>	<b>Source: 18G1117-01</b>			Prepared: 07/31/18 Analyzed: 08/01/18						
% Solids	94.9		% Wt			95.7		0.841	20	
<b>Duplicate (B209115-DUP2)</b>	<b>Source: 18G1117-14</b>			Prepared: 07/31/18 Analyzed: 08/01/18						
% Solids	87.4		% Wt			88.0		0.699	20	

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-7 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1117-01 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.60	
	2	0.000	-0.030	0.030	0.64	6.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-7 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1117-03 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.85	
	2	0.000	-0.030	0.030	1.0	16.2

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-9 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1117-04 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	21	
	2	0.000	-0.030	0.030	26	21.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-9 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1117-05 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.39	
	2	0.000	-0.030	0.030	0.48	20.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-9 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1117-06 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.093	
	2	0.000	-0.030	0.030	0.12	25.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-9 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1117-07 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.34	
	2	0.000	-0.030	0.030	0.47	32.1
Aroclor-1260	1	0.000	-0.030	0.030	0.35	
	2	0.000	-0.030	0.030	0.37	5.6

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-11 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1117-08 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	4.5	
	2	0.000	-0.030	0.030	5.7	21.4



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-11 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1117-09 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.5	
	2	0.000	-0.030	0.030	3.2	24.6

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-G-11 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1117-12 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	3.0	
	2	0.000	-0.030	0.030	3.8	23.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-G-11 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1117-13 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.70	
	2	0.000	-0.030	0.030	0.89	23.9

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-G-11 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1117-14 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.0	
	2	0.000	-0.030	0.030	2.5	22.2

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-G-11 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1117-15 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.47	
	2	0.000	-0.030	0.030	0.59	22.6

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-G-9 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1117-16 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	5.0	
	2	0.000	-0.030	0.030	6.2	21.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-G-9 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1117-17 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.48	
	2	0.000	-0.030	0.030	0.57	17.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-G-9 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1117-18 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.9	
	2	0.000	-0.030	0.030	2.3	19.0



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS

*SW-846 8082A*

Lab Sample ID:                   B209136-BS1                                        Date(s) Analyzed:           08/02/2018                     08/02/2018          

Instrument ID (1):                   ECD10                                        Instrument ID (2):                   ECD10                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.20	16.2
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.21	21.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

<b>LCS Dup</b>
----------------

Lab Sample ID:                   B209136-BSD1                                        Date(s) Analyzed:           08/02/2018                     08/02/2018          

Instrument ID (1):                   ECD10                                        Instrument ID (2):                   ECD10                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.20	16.2
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.21	21.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike**

*SW-846 8082A*

Lab Sample ID:                     B209136-MS1                                          Date(s) Analyzed:           08/02/2018                     08/02/2018          

Instrument ID (1):                     ECD10                                          Instrument ID (2):                     ECD10                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.19	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.23	9.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike Dup**

*SW-846 8082A*

Lab Sample ID:                   B209136-MSD1                                        Date(s) Analyzed:           08/02/2018                     08/02/2018          

Instrument ID (1):                   ECD10                                        Instrument ID (2):                   ECD10                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.21	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.24	
	2	0.000	-0.030	0.030	0.26	8.0

---

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.
O-32	A dilution was performed as part of the standard analytical procedure.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<b>SW-846 6010D in Soil</b>	
Lead	CT,NH,NY,AIHA,ME,VA,NC
<b>SW-846 8082A in Soil</b>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019





Company Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Project Name: Convey Park  
 Project Location: \_\_\_\_\_  
 Project Number: \_\_\_\_\_  
 Project Manager: \_\_\_\_\_  
 Con-Test Quote Name/Number: \_\_\_\_\_  
 Invoice Recipient: \_\_\_\_\_  
 Sampled By: \_\_\_\_\_

Requested Turnaround Time:  
 7-Day  10-Day   
 Due Date: \_\_\_\_\_

Analysis Requested:  
 1-Day  3-Day   
 2-Day  4-Day   
 Date Delivery: \_\_\_\_\_

Format: PDF  EXCEL   
 Other: \_\_\_\_\_

CLP Like Data Pkg Required:   
 Email To: \_\_\_\_\_  
 Fax To #: \_\_\_\_\_

Con-Test Work Order	Client Sample ID / Description	Preparation Date/Time	Received Date/Time	Analysis Date/Time	Matrix Code	Conc Code
	B-I-9 (S.S.-1.5)	7/26	11:35		S	U
	B-I-9 (7.5-9.5)		11:36			
	B-I-9 (9.5-11.5)		11:37			
	B-I-9 (11.5-13.5)		11:38			
	B-I-9 (13.5-15)		11:39			
08	B-I-11 (0-0.5)		11:40			
09	B-I-11 (0.5-1.5)		11:41			
10	B-I-11 (1.5-2.5)		11:42			
11	B-I-11 (2.5-3.5)		11:43			
	B-I-11 (3.5-5.5)		11:44			

Comments: Samples w/ no analyses checked to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/26  
 Received by: (signature) \_\_\_\_\_ Date/Time: 7/26/18 16:45  
 Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/26/18 19:45  
 Received by: (signature) \_\_\_\_\_ Date/Time: 7/26/18 19:45  
 Relinquished by: (signature) Mark Dineen 3.4.3.6  
 Received by: (signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Special Requirements:  
 MA MCP Required   
 MCP Certifications Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 MA Static DW Required   
 PWSID # \_\_\_\_\_

Project Entity:  
 Government  Municipality  MWRA  WRTA  
 Federal  21 J  School  Chromatogram  
 City  Brownfield  MBTA  AHA-LAP, LLC

PCB ONLY:  
 Soxhlet  
 Non Soxhlet







MEK

Company Name

Address

Phone:

Project Location: Conley Park

Project Number:

Project Manager:

Con-Test Quote Name/Number:

Invoice Recipient:

Sampled By:

Con-Test Work Order #	Client Sample ID / Description	Reference Date/Time	Arrival Date/Time	Completion Date	Matrix Code	Pres. Code
	B-I-11 (S-S-7.5)	7/26	11:45		S	U
	B-I-11 (7.5-9.5)		11:46			
	B-I-11 (9.5-11.5)		11:47			
	B-I-11 (11.5-13.5)		11:48			
	B-I-11 (13.5-15)		11:49			
13	B-G-11 (0-0.5)		12:05			
14	B-G-11 (0.5-1.5)		12:06			
15	B-G-11 (1.5-2.5)		12:07			
	B-G-11 (2.5-3.5)		12:08			
	B-G-11 (3.5-5.5)		12:09			

Comments:

Samples w/ no analyses checked to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 7/26	Detection Limit Requirements: MA 5-3	Special Requirements: MA MCP Required
Received by: (signature)	Date/Time: 7/26/18	MCP Certification Form Required: <input checked="" type="checkbox"/>	MA MCP Required: <input checked="" type="checkbox"/>
Relinquished by: (signature)	Date/Time: 7/26/18	CT RCP Required: <input type="checkbox"/>	CT RCP Required: <input type="checkbox"/>
Received by: (signature)	Date/Time: 7/26/18	RCP Certification Form Required: <input type="checkbox"/>	RCP Certification Form Required: <input type="checkbox"/>
Relinquished by: (signature)	Date/Time: 7/26/18	MA Static PWP Required: <input type="checkbox"/>	MA Static PWP Required: <input type="checkbox"/>
Received by: (signature)	Date/Time: 7/26/18	PWSID #	
Relinquished by: (signature)	Date/Time: 7/26/18	Project Entity	
Received by: (signature)	Date/Time: 7/26/18	Government <input type="checkbox"/>	Municipality <input type="checkbox"/>
		Federal <input type="checkbox"/>	21 J <input type="checkbox"/>
		City <input type="checkbox"/>	Brownfield <input type="checkbox"/>
		MMWA <input type="checkbox"/>	School <input type="checkbox"/>
		WRTA <input type="checkbox"/>	MBTA <input type="checkbox"/>
		Chromatogram <input type="checkbox"/>	AHPA-LAP, LLC <input type="checkbox"/>



# of Containers

Preservation Code

Container Code

Disinfectant/Matrix Samples

Field Filtered

Lab to Filter

Ortho/Spotplate Samples

Field Filtered

Lab to Filter

Matrix Codes:

GW = Ground Water

WW = Waste Water

DW = Drinking Water

A = Air

S = Soil

SL = Sludge

SOL = Solid

O = Other (please define)

Preservation Codes:

I = Iced

H = HCL

M = Methanol

N = Nitric Acid

S = Sulfuric Acid

B = Sodium Bisulfate

X = Sodium Hydroxide

T = Sodium Thiosulfate

O = Other (please define)

Container Codes:

A = Amber Glass

G = Glass

P = Plastic

ST = Sterile

V = Vial

S = Summa Canister

T = Tedlar Bag

O = Other (please define)

PCB ONLY

Soxhlet

Non Soxhlet



186-1117  
 Phone: 413-525-2332  
 Fax: 413-525-6405  
 Email: info@contestlabs.com

39 Spruce Street  
 East Longmeadow, MA 01028

Company Name: **MEK**  
 Address: **(0 Away)**  
 Project Location:  
 Project Number:  
 Project Manager:  
 Con-Test Quote Name/Number:  
 Invoice Recipient:  
 Sampled By:

Requested Turnaround Time:  
 7-Day  10-Day   
 Due Date:  
 Rush Approval Required:  
 1-Day  3-Day   
 2-Day  4-Day   
 Date Delivery:  
 Format: PDF  EXCEL   
 Other:  
 CLP Like Data Pkg Required:   
 Email To:  
 Fax To #:

Con-Test Work Order	Client Sample ID / Description	Request Date/Time	Priority	Analysis Requested	Matrix Code	Preservation Code	Container Code
16	B-G-11 (S.S-7.S)	7/26	12:10	PCBS (Soxhlet)	S	U	
17	B-G-11 (7.S-9.S)		12:11				
18	B-G-11 (9.S-11.S)		12:12				
19	B-G-11 (11.S-13.S)		12:13				
	B-G-11 (13.S-15.S)		12:14				
	B-G-9 (0-0.S)		12:25				
	B-G-9 (0.S-1.S)		12:26				
	B-G-9 (1.S-2.S)		12:27				
	B-G-9 (2.S-3.S)		12:28				
	B-G-9 (3.S-5.S)		12:29				

Comments: Samples w/ NO analyses checked to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (Signature) *[Signature]* Date/Time: 7/26  
 Received by: (Signature) *[Signature]* Date/Time: 7/26/18  
 Relinquished by: (Signature) *[Signature]* Date/Time: 7/26/18  
 Received by: (Signature) *[Signature]* Date/Time: 7/26/18  
 Relinquished by: (Signature) *[Signature]* Date/Time: 7/26/18  
 Received by: (Signature) *[Signature]* Date/Time: 7/26/18

Detection Limit Requirements	Special Requirements
MA	MA MCP Required <input type="checkbox"/>
	MCP Certification Form Required <input type="checkbox"/>
	CT RCP Required <input type="checkbox"/>
	RCP Certification Form Required <input type="checkbox"/>
	MA State DW Required <input type="checkbox"/>
	PWSID #

Project Entity:  
 Government  Municipality  MMIRA  WRTA  Other  
 Federal  21 J  School  Chromatogram  
 City  Brownfield  MBTA  AHA-LAP, LLC

# of Containers  
 Preservation Code  
 Container Code  
 Dissolved Metals Samples:  
 Field Filtered  
 Lab to Filter  
 Orthophosphate Samples:  
 Field Filtered  
 Lab to Filter

1 Matrix Codes:  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

2 Preservation Codes:  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Trisulfate  
 O = Other (please define)

3 Container Codes:  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

PCB ONLY  
 Soxhlet  
 Non Soxhlet



**con-test**  
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False**

Client W+S

Received By SE Date 7/26/18 Time 1945

How were the samples received? In Cooler T No Cooler \_\_\_\_\_ On Ice T No Ice \_\_\_\_\_  
Direct from Sampling \_\_\_\_\_ Ambient \_\_\_\_\_ Melted Ice \_\_\_\_\_

Were samples within Temperature? 2-6°C T By Gun # 8 Actual Temp - 3.4, 3.6  
By Blank # \_\_\_\_\_ Actual Temp - \_\_\_\_\_

Was Custody Seal Intact? N/A Were Samples Tamped with? N/A  
Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in Ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T  
Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? \_\_\_\_\_

Are there Rushes? F Who was notified? \_\_\_\_\_

Are there Short Holds? F Who was notified? \_\_\_\_\_

Is there enough Volume? T

Is there Headspace where applicable? N/A MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? F

Do all samples have the proper pH? N/A Acid \_\_\_\_\_ Base \_\_\_\_\_

Viols	#	Containers	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

**Unused Media**

Viols	#	Containers	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Comments:

## MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Con-Test Analytical Laboratory	Project #: 18G1117
Project Location: Conway Park., Somerville, MA	RTN:

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]  
18G1117-01 thru 18G1117-19

Matrices: Soil

**CAM Protocol (check all that below)**

8260 VOC CAM II A ( )	7470/7471 Hg CAM III B ( )	MassDEP VPH CAM IV A ( )	8082 PCB CAM V A (X)	9014 Total Cyanide/PAC CAM VI A ( )	6860 Perchlorate CAM VIII B ( )
8270 SVOC CAM II B ( )	7010 Metals CAM III C ( )	MassDEP VPH CAM IV C ( )	8081 Pesticides CAM V B ( )	7196 Hex Cr CAM VI B ( )	MassDEP APH CAM IX A ( )
6010 Metals CAM III A (X)	6020 Metals CAM III D ( )	MassDEP EPH CAM IV A ( )	8151 Herbicides CAM V C ( )	8330 Explosives CAM VIII A ( )	TO-15 VOC CAM IX B ( )

**Affirmative response to Questions A through F is required for "Presumptive Certainty" status**

<b>A</b>	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>B</b>	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>C</b>	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>D</b>	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>E a</b>	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	<input type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>E b</b>	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	<input type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>F</b>	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all No responses to Questions A through E)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>

**A response to questions G, H and I below is required for "Presumptive Certainty" status**

<b>G</b>	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>
----------	---	--

**Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.**

<b>H</b>	Were all QC performance standards specified in the CAM protocol(s) achieved?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>
<b>I</b>	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>

<sup>1</sup>All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

**I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.**

Signature: Lisa Worthington

Position: Project Manager

Printed Name: Lisa A. Worthington

Date: 08/02/18

August 2, 2018

Taylor Smith  
Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960

Project Location: Conway Park., Somerville, MA  
Client Job Number:  
Project Number: [none]  
Laboratory Work Order Number: 18G1118

Enclosed are results of analyses for samples received by the laboratory on July 26, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Meghan E. Kelley". The signature is written in a cursive style with a large, sweeping flourish at the end.

Meghan E. Kelley  
Project Manager

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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 8/2/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1118

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-G-7 (0-0.5)	18G1118-01	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-G-7 (0.5-1.5)	18G1118-02	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-G-7 (1.5-2.5)	18G1118-03	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-G-7 (2.5-3.5)	18G1118-04	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-G-5 (0-0.5)	18G1118-05	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-G-5 (0.5-1.5)	18G1118-06	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-G-5 (1.5-2.5)	18G1118-07	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-G-5 (2.5-3.5)	18G1118-08	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-G-3 (0-0.5)	18G1118-09	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-G-3 (0.5-1.5)	18G1118-10	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-G-3 (1.5-2.5)	18G1118-11	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-G-3 (2.5-3.5)	18G1118-12	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-G-1 (0-0.5)	18G1118-13	Soil		SM 2540G SW-846 6010D SW-846 8082A	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 8/2/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1118

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-G-1 (0.5-1.5)	18G1118-14	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-G-1 (1.5-2.5)	18G1118-15	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-G-1 (2.5-3.5)	18G1118-16	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-E-1 (0-0.5)	18G1118-17	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-E-1 (0.5-1.5)	18G1118-18	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-E-1 (1.5-2.5)	18G1118-19	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-E-1 (2.5-3.5)	18G1118-20	Soil		SM 2540G SW-846 6010D SW-846 8082A	

**CASE NARRATIVE SUMMARY**

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 6010, only Pb was requested and reported.

**SW-846 6010D****Qualifications:****MS-11**

Matrix spike recovery outside of control limits. Possibility of sample matrix effects that lead to a high bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

**Analyte & Samples(s) Qualified:****Lead**

18G1118-01[B-G-7 (0-0.5)], B209160-MS1

**SW-846 8082A****Qualifications:****MS-21**

Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.

**Analyte & Samples(s) Qualified:****Aroclor-1260 [2C]**

B209015-MS1, B209015-MSD1

**O-32**

A dilution was performed as part of the standard analytical procedure.

**Analyte & Samples(s) Qualified:**

18G1118-06[B-G-5 (0.5-1.5)]

**S-01**

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**Analyte & Samples(s) Qualified:****Decachlorobiphenyl**

18G1118-04[B-G-7 (2.5-3.5)], 18G1118-07[B-G-5 (1.5-2.5)], 18G1118-08[B-G-5 (2.5-3.5)], 18G1118-09[B-G-3 (0-0.5)], 18G1118-11[B-G-3 (1.5-2.5)], 18G1118-12[B-G-3 (2.5-3.5)], 18G1118-13[B-G-1 (0-0.5)], 18G1118-14[B-G-1 (0.5-1.5)], 18G1118-17[B-E-1 (0-0.5)]

**Decachlorobiphenyl [2C]**

18G1118-04[B-G-7 (2.5-3.5)], 18G1118-07[B-G-5 (1.5-2.5)], 18G1118-08[B-G-5 (2.5-3.5)], 18G1118-09[B-G-3 (0-0.5)], 18G1118-11[B-G-3 (1.5-2.5)], 18G1118-12[B-G-3 (2.5-3.5)], 18G1118-13[B-G-1 (0-0.5)], 18G1118-14[B-G-1 (0.5-1.5)], 18G1118-17[B-E-1 (0-0.5)]

**Tetrachloro-m-xylene**

18G1118-04[B-G-7 (2.5-3.5)], 18G1118-07[B-G-5 (1.5-2.5)], 18G1118-08[B-G-5 (2.5-3.5)], 18G1118-09[B-G-3 (0-0.5)], 18G1118-11[B-G-3 (1.5-2.5)], 18G1118-12[B-G-3 (2.5-3.5)], 18G1118-13[B-G-1 (0-0.5)], 18G1118-14[B-G-1 (0.5-1.5)], 18G1118-17[B-E-1 (0-0.5)]

**Tetrachloro-m-xylene [2C]**

18G1118-04[B-G-7 (2.5-3.5)], 18G1118-07[B-G-5 (1.5-2.5)], 18G1118-08[B-G-5 (2.5-3.5)], 18G1118-09[B-G-3 (0-0.5)], 18G1118-11[B-G-3 (1.5-2.5)], 18G1118-12[B-G-3 (2.5-3.5)], 18G1118-13[B-G-1 (0-0.5)], 18G1118-14[B-G-1 (0.5-1.5)], 18G1118-17[B-E-1 (0-0.5)]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Lisa A. Worthington", is written over a light gray rectangular background.

Lisa A. Worthington  
Project Manager

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-7 (0-0.5)

Sampled: 7/26/2018 12:35

Sample ID: 18G1118-01

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	7/30/18	8/1/18 18:13	WAL
Aroclor-1221 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	7/30/18	8/1/18 18:13	WAL
Aroclor-1232 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	7/30/18	8/1/18 18:13	WAL
Aroclor-1242 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	7/30/18	8/1/18 18:13	WAL
Aroclor-1248 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	7/30/18	8/1/18 18:13	WAL
Aroclor-1254 [2]	1.1	0.18	mg/Kg dry	8		SW-846 8082A	7/30/18	8/1/18 18:13	WAL
Aroclor-1260 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	7/30/18	8/1/18 18:13	WAL
Aroclor-1262 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	7/30/18	8/1/18 18:13	WAL
Aroclor-1268 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	7/30/18	8/1/18 18:13	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		74.1	30-150					8/1/18 18:13	
Decachlorobiphenyl [2]		77.7	30-150					8/1/18 18:13	
Tetrachloro-m-xylene [1]		70.2	30-150					8/1/18 18:13	
Tetrachloro-m-xylene [2]		66.9	30-150					8/1/18 18:13	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-7 (0-0.5)

Sampled: 7/26/2018 12:35

Sample ID: 18G1118-01

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	70	0.58	mg/Kg dry	1	MS-11	SW-846 6010D	7/31/18	8/1/18 19:15	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-7 (0-0.5)

Sampled: 7/26/2018 12:35

Sample ID: 18G1118-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.6		% Wt	1		SM 2540G	7/31/18	8/1/18 13:18	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-7 (0.5-1.5)

Sampled: 7/26/2018 12:36

Sample ID: 18G1118-02

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 11:54	WAL
Aroclor-1221 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 11:54	WAL
Aroclor-1232 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 11:54	WAL
Aroclor-1242 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 11:54	WAL
Aroclor-1248 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 11:54	WAL
Aroclor-1254 [2]	0.25	0.083	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 11:54	WAL
Aroclor-1260 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 11:54	WAL
Aroclor-1262 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 11:54	WAL
Aroclor-1268 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 11:54	WAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	91.2		30-150				8/1/18 11:54		
Decachlorobiphenyl [2]	92.8		30-150				8/1/18 11:54		
Tetrachloro-m-xylene [1]	80.9		30-150				8/1/18 11:54		
Tetrachloro-m-xylene [2]	75.0		30-150				8/1/18 11:54		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-7 (0.5-1.5)

Sampled: 7/26/2018 12:36

Sample ID: 18G1118-02

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	23	0.53	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 19:19	QNW



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-7 (0.5-1.5)

Sampled: 7/26/2018 12:36

Sample ID: 18G1118-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.9		% Wt	1		SM 2540G	7/31/18	8/1/18 13:19	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-7 (1.5-2.5)

Sampled: 7/26/2018 12:37

Sample ID: 18G1118-03

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 12:06	WAL
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 12:06	WAL
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 12:06	WAL
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 12:06	WAL
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 12:06	WAL
Aroclor-1254 [2]	1.0	0.085	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 12:06	WAL
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 12:06	WAL
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 12:06	WAL
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 12:06	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		96.5	30-150					8/1/18 12:06	
Decachlorobiphenyl [2]		105	30-150					8/1/18 12:06	
Tetrachloro-m-xylene [1]		91.8	30-150					8/1/18 12:06	
Tetrachloro-m-xylene [2]		83.8	30-150					8/1/18 12:06	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-7 (1.5-2.5)

Sampled: 7/26/2018 12:37

Sample ID: 18G1118-03

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	240	0.53	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 19:49	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-7 (1.5-2.5)

Sampled: 7/26/2018 12:37

Sample ID: 18G1118-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.0		% Wt	1		SM 2540G	7/31/18	8/1/18 13:19	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-7 (2.5-3.5)

Sampled: 7/26/2018 12:38

Sample ID: 18G1118-04

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	7/30/18	8/1/18 18:26	WAL
Aroclor-1221 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	7/30/18	8/1/18 18:26	WAL
Aroclor-1232 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	7/30/18	8/1/18 18:26	WAL
Aroclor-1242 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	7/30/18	8/1/18 18:26	WAL
Aroclor-1248 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	7/30/18	8/1/18 18:26	WAL
Aroclor-1254 [2]	3.8	0.89	mg/Kg dry	40		SW-846 8082A	7/30/18	8/1/18 18:26	WAL
Aroclor-1260 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	7/30/18	8/1/18 18:26	WAL
Aroclor-1262 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	7/30/18	8/1/18 18:26	WAL
Aroclor-1268 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	7/30/18	8/1/18 18:26	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/1/18 18:26	
Decachlorobiphenyl [2]		*	30-150		S-01			8/1/18 18:26	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/1/18 18:26	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/1/18 18:26	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-7 (2.5-3.5)

Sampled: 7/26/2018 12:38

Sample ID: 18G1118-04

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	670	0.56	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 19:53	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-7 (2.5-3.5)

Sampled: 7/26/2018 12:38

Sample ID: 18G1118-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.3		% Wt	1		SM 2540G	7/31/18	8/1/18 13:21	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-5 (0-0.5)

Sampled: 7/26/2018 12:55

Sample ID: 18G1118-05

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	7/30/18	8/1/18 18:38	WAL
Aroclor-1221 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	7/30/18	8/1/18 18:38	WAL
Aroclor-1232 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	7/30/18	8/1/18 18:38	WAL
Aroclor-1242 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	7/30/18	8/1/18 18:38	WAL
Aroclor-1248 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	7/30/18	8/1/18 18:38	WAL
Aroclor-1254 [2]	2.0	0.46	mg/Kg dry	20		SW-846 8082A	7/30/18	8/1/18 18:38	WAL
Aroclor-1260 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	7/30/18	8/1/18 18:38	WAL
Aroclor-1262 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	7/30/18	8/1/18 18:38	WAL
Aroclor-1268 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	7/30/18	8/1/18 18:38	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		88.4	30-150					8/1/18 18:38	
Decachlorobiphenyl [2]		93.3	30-150					8/1/18 18:38	
Tetrachloro-m-xylene [1]		83.3	30-150					8/1/18 18:38	
Tetrachloro-m-xylene [2]		80.8	30-150					8/1/18 18:38	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-5 (0-0.5)

Sampled: 7/26/2018 12:55

Sample ID: 18G1118-05

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	60	0.58	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 19:58	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-5 (0-0.5)

Sampled: 7/26/2018 12:55

Sample ID: 18G1118-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.9		% Wt	1		SM 2540G	7/31/18	8/1/18 13:21	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-5 (0.5-1.5)

Sampled: 7/26/2018 12:56

Sample ID: 18G1118-06

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 12:45	WAL
Aroclor-1221 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 12:45	WAL
Aroclor-1232 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 12:45	WAL
Aroclor-1242 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 12:45	WAL
Aroclor-1248 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 12:45	WAL
Aroclor-1254 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 12:45	WAL
Aroclor-1260 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 12:45	WAL
Aroclor-1262 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 12:45	WAL
Aroclor-1268 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 12:45	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		90.0	30-150					8/1/18 12:45	
Decachlorobiphenyl [2]		94.3	30-150					8/1/18 12:45	
Tetrachloro-m-xylene [1]		85.4	30-150					8/1/18 12:45	
Tetrachloro-m-xylene [2]		80.6	30-150					8/1/18 12:45	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-5 (0.5-1.5)

Sampled: 7/26/2018 12:56

Sample ID: 18G1118-06

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	13	0.51	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 20:03	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-5 (0.5-1.5)

Sampled: 7/26/2018 12:56

Sample ID: 18G1118-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.4		% Wt	1		SM 2540G	7/31/18	8/1/18 13:21	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-5 (1.5-2.5)

Sampled: 7/26/2018 12:57

Sample ID: 18G1118-07

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.1	mg/Kg dry	200		SW-846 8082A	7/30/18	8/1/18 18:51	WAL
Aroclor-1221 [1]	ND	4.1	mg/Kg dry	200		SW-846 8082A	7/30/18	8/1/18 18:51	WAL
Aroclor-1232 [1]	ND	4.1	mg/Kg dry	200		SW-846 8082A	7/30/18	8/1/18 18:51	WAL
Aroclor-1242 [1]	ND	4.1	mg/Kg dry	200		SW-846 8082A	7/30/18	8/1/18 18:51	WAL
Aroclor-1248 [1]	ND	4.1	mg/Kg dry	200		SW-846 8082A	7/30/18	8/1/18 18:51	WAL
Aroclor-1254 [2]	15	4.1	mg/Kg dry	200		SW-846 8082A	7/30/18	8/1/18 18:51	WAL
Aroclor-1260 [1]	ND	4.1	mg/Kg dry	200		SW-846 8082A	7/30/18	8/1/18 18:51	WAL
Aroclor-1262 [1]	ND	4.1	mg/Kg dry	200		SW-846 8082A	7/30/18	8/1/18 18:51	WAL
Aroclor-1268 [1]	ND	4.1	mg/Kg dry	200		SW-846 8082A	7/30/18	8/1/18 18:51	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/1/18 18:51	
Decachlorobiphenyl [2]		*	30-150		S-01			8/1/18 18:51	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/1/18 18:51	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/1/18 18:51	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-5 (1.5-2.5)

Sampled: 7/26/2018 12:57

Sample ID: 18G1118-07

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	250	0.55	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 20:08	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-5 (1.5-2.5)

Sampled: 7/26/2018 12:57

Sample ID: 18G1118-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.3		% Wt	1		SM 2540G	7/31/18	8/1/18 13:21	JFC



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-5 (2.5-3.5)

Sampled: 7/26/2018 12:58

Sample ID: 18G1118-08

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 19:04	WAL
Aroclor-1221 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 19:04	WAL
Aroclor-1232 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 19:04	WAL
Aroclor-1242 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 19:04	WAL
Aroclor-1248 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 19:04	WAL
Aroclor-1254 [2]	7.9	1.7	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 19:04	WAL
Aroclor-1260 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 19:04	WAL
Aroclor-1262 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 19:04	WAL
Aroclor-1268 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 19:04	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/1/18 19:04	
Decachlorobiphenyl [2]		*	30-150		S-01			8/1/18 19:04	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/1/18 19:04	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/1/18 19:04	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-5 (2.5-3.5)

Sampled: 7/26/2018 12:58

Sample ID: 18G1118-08

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	210	0.54	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 20:12	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-5 (2.5-3.5)

Sampled: 7/26/2018 12:58

Sample ID: 18G1118-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.2		% Wt	1		SM 2540G	7/31/18	8/1/18 13:21	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-3 (0-0.5)

Sampled: 7/26/2018 13:17

Sample ID: 18G1118-09

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 19:16	WAL
Aroclor-1221 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 19:16	WAL
Aroclor-1232 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 19:16	WAL
Aroclor-1242 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 19:16	WAL
Aroclor-1248 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 19:16	WAL
Aroclor-1254 [2]	8.5	1.7	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 19:16	WAL
Aroclor-1260 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 19:16	WAL
Aroclor-1262 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 19:16	WAL
Aroclor-1268 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 19:16	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/1/18 19:16	
Decachlorobiphenyl [2]		*	30-150		S-01			8/1/18 19:16	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/1/18 19:16	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/1/18 19:16	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-3 (0-0.5)

Sampled: 7/26/2018 13:17

Sample ID: 18G1118-09

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	60	0.58	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 20:16	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-3 (0-0.5)

Sampled: 7/26/2018 13:17

Sample ID: 18G1118-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.3		% Wt	1		SM 2540G	7/31/18	8/1/18 13:21	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-3 (0.5-1.5)

Sampled: 7/26/2018 13:18

Sample ID: 18G1118-10

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	7/30/18	8/1/18 19:29	WAL
Aroclor-1221 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	7/30/18	8/1/18 19:29	WAL
Aroclor-1232 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	7/30/18	8/1/18 19:29	WAL
Aroclor-1242 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	7/30/18	8/1/18 19:29	WAL
Aroclor-1248 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	7/30/18	8/1/18 19:29	WAL
Aroclor-1254 [2]	1.7	0.42	mg/Kg dry	20		SW-846 8082A	7/30/18	8/1/18 19:29	WAL
Aroclor-1260 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	7/30/18	8/1/18 19:29	WAL
Aroclor-1262 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	7/30/18	8/1/18 19:29	WAL
Aroclor-1268 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	7/30/18	8/1/18 19:29	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		91.5	30-150					8/1/18 19:29	
Decachlorobiphenyl [2]		97.6	30-150					8/1/18 19:29	
Tetrachloro-m-xylene [1]		83.6	30-150					8/1/18 19:29	
Tetrachloro-m-xylene [2]		81.4	30-150					8/1/18 19:29	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-3 (0.5-1.5)

Sampled: 7/26/2018 13:18

Sample ID: 18G1118-10

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	13	0.51	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 20:42	QNW



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-3 (0.5-1.5)

Sampled: 7/26/2018 13:18

Sample ID: 18G1118-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.5		% Wt	1		SM 2540G	7/31/18	8/1/18 13:21	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-3 (1.5-2.5)

Sampled: 7/26/2018 13:19

Sample ID: 18G1118-11

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.80	mg/Kg dry	40		SW-846 8082A	7/30/18	8/1/18 19:42	WAL
Aroclor-1221 [1]	ND	0.80	mg/Kg dry	40		SW-846 8082A	7/30/18	8/1/18 19:42	WAL
Aroclor-1232 [1]	ND	0.80	mg/Kg dry	40		SW-846 8082A	7/30/18	8/1/18 19:42	WAL
Aroclor-1242 [1]	ND	0.80	mg/Kg dry	40		SW-846 8082A	7/30/18	8/1/18 19:42	WAL
Aroclor-1248 [1]	ND	0.80	mg/Kg dry	40		SW-846 8082A	7/30/18	8/1/18 19:42	WAL
Aroclor-1254 [2]	3.4	0.80	mg/Kg dry	40		SW-846 8082A	7/30/18	8/1/18 19:42	WAL
Aroclor-1260 [1]	ND	0.80	mg/Kg dry	40		SW-846 8082A	7/30/18	8/1/18 19:42	WAL
Aroclor-1262 [1]	ND	0.80	mg/Kg dry	40		SW-846 8082A	7/30/18	8/1/18 19:42	WAL
Aroclor-1268 [1]	ND	0.80	mg/Kg dry	40		SW-846 8082A	7/30/18	8/1/18 19:42	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/1/18 19:42	
Decachlorobiphenyl [2]		*	30-150		S-01			8/1/18 19:42	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/1/18 19:42	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/1/18 19:42	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-3 (1.5-2.5)

Sampled: 7/26/2018 13:19

Sample ID: 18G1118-11

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	70	0.52	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 20:47	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-3 (1.5-2.5)

Sampled: 7/26/2018 13:19

Sample ID: 18G1118-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.3		% Wt	1		SM 2540G	7/31/18	8/1/18 13:22	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-3 (2.5-3.5)

Sampled: 7/26/2018 13:20

Sample ID: 18G1118-12

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	7/30/18	8/1/18 19:55	WAL
Aroclor-1221 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	7/30/18	8/1/18 19:55	WAL
Aroclor-1232 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	7/30/18	8/1/18 19:55	WAL
Aroclor-1242 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	7/30/18	8/1/18 19:55	WAL
Aroclor-1248 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	7/30/18	8/1/18 19:55	WAL
Aroclor-1254 [2]	15	4.4	mg/Kg dry	200		SW-846 8082A	7/30/18	8/1/18 19:55	WAL
Aroclor-1260 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	7/30/18	8/1/18 19:55	WAL
Aroclor-1262 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	7/30/18	8/1/18 19:55	WAL
Aroclor-1268 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	7/30/18	8/1/18 19:55	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/1/18 19:55	
Decachlorobiphenyl [2]		*	30-150		S-01			8/1/18 19:55	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/1/18 19:55	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/1/18 19:55	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-3 (2.5-3.5)

Sampled: 7/26/2018 13:20

Sample ID: 18G1118-12

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	190	0.55	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 20:52	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-3 (2.5-3.5)

Sampled: 7/26/2018 13:20

Sample ID: 18G1118-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.6		% Wt	1		SM 2540G	7/31/18	8/1/18 13:22	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-1 (0-0.5)

Sampled: 7/26/2018 13:35

Sample ID: 18G1118-13

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 20:07	WAL
Aroclor-1221 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 20:07	WAL
Aroclor-1232 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 20:07	WAL
Aroclor-1242 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 20:07	WAL
Aroclor-1248 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 20:07	WAL
Aroclor-1254 [2]	7.5	1.8	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 20:07	WAL
Aroclor-1260 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 20:07	WAL
Aroclor-1262 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 20:07	WAL
Aroclor-1268 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 20:07	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/1/18 20:07	
Decachlorobiphenyl [2]		*	30-150		S-01			8/1/18 20:07	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/1/18 20:07	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/1/18 20:07	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-1 (0-0.5)

Sampled: 7/26/2018 13:35

Sample ID: 18G1118-13

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	160	0.59	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 20:56	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-1 (0-0.5)

Sampled: 7/26/2018 13:35

Sample ID: 18G1118-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.7		% Wt	1		SM 2540G	7/31/18	8/1/18 13:22	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-1 (0.5-1.5)

Sampled: 7/26/2018 13:36

Sample ID: 18G1118-14

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	7/30/18	8/1/18 20:20	WAL
Aroclor-1221 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	7/30/18	8/1/18 20:20	WAL
Aroclor-1232 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	7/30/18	8/1/18 20:20	WAL
Aroclor-1242 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	7/30/18	8/1/18 20:20	WAL
Aroclor-1248 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	7/30/18	8/1/18 20:20	WAL
Aroclor-1254 [2]	15	4.5	mg/Kg dry	200		SW-846 8082A	7/30/18	8/1/18 20:20	WAL
Aroclor-1260 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	7/30/18	8/1/18 20:20	WAL
Aroclor-1262 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	7/30/18	8/1/18 20:20	WAL
Aroclor-1268 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	7/30/18	8/1/18 20:20	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/1/18 20:20	
Decachlorobiphenyl [2]		*	30-150		S-01			8/1/18 20:20	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/1/18 20:20	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/1/18 20:20	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-1 (0.5-1.5)

Sampled: 7/26/2018 13:36

Sample ID: 18G1118-14

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	210	0.57	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 21:00	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-1 (0.5-1.5)

Sampled: 7/26/2018 13:36

Sample ID: 18G1118-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.1		% Wt	1		SM 2540G	7/31/18	8/1/18 13:22	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-1 (1.5-2.5)

Sampled: 7/26/2018 13:37

Sample ID: 18G1118-15

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 15:30	WAL
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 15:30	WAL
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 15:30	WAL
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 15:30	WAL
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 15:30	WAL
Aroclor-1254 [2]	0.29	0.087	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 15:30	WAL
Aroclor-1260 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 15:30	WAL
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 15:30	WAL
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 15:30	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		88.2	30-150					8/1/18 15:30	
Decachlorobiphenyl [2]		93.8	30-150					8/1/18 15:30	
Tetrachloro-m-xylene [1]		85.1	30-150					8/1/18 15:30	
Tetrachloro-m-xylene [2]		79.8	30-150					8/1/18 15:30	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-1 (1.5-2.5)

Sampled: 7/26/2018 13:37

Sample ID: 18G1118-15

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	220	0.53	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 21:04	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-1 (1.5-2.5)

Sampled: 7/26/2018 13:37

Sample ID: 18G1118-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.4		% Wt	1		SM 2540G	7/31/18	8/1/18 13:22	JFC



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-1 (2.5-3.5)

Sampled: 7/26/2018 13:38

Sample ID: 18G1118-16

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 15:43	WAL
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 15:43	WAL
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 15:43	WAL
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 15:43	WAL
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 15:43	WAL
Aroclor-1254 [2]	0.21	0.087	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 15:43	WAL
Aroclor-1260 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 15:43	WAL
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 15:43	WAL
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 15:43	WAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	90.2		30-150				8/1/18 15:43		
Decachlorobiphenyl [2]	104		30-150				8/1/18 15:43		
Tetrachloro-m-xylene [1]	85.1		30-150				8/1/18 15:43		
Tetrachloro-m-xylene [2]	78.4		30-150				8/1/18 15:43		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-1 (2.5-3.5)

Sampled: 7/26/2018 13:38

Sample ID: 18G1118-16

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	320	0.56	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 21:09	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-G-1 (2.5-3.5)

Sampled: 7/26/2018 13:38

Sample ID: 18G1118-16

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.2		% Wt	1		SM 2540G	7/31/18	8/1/18 13:22	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-E-1 (0-0.5)

Sampled: 7/26/2018 13:47

Sample ID: 18G1118-17

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.91	mg/Kg dry	40		SW-846 8082A	7/30/18	8/1/18 20:33	WAL
Aroclor-1221 [1]	ND	0.91	mg/Kg dry	40		SW-846 8082A	7/30/18	8/1/18 20:33	WAL
Aroclor-1232 [1]	ND	0.91	mg/Kg dry	40		SW-846 8082A	7/30/18	8/1/18 20:33	WAL
Aroclor-1242 [1]	ND	0.91	mg/Kg dry	40		SW-846 8082A	7/30/18	8/1/18 20:33	WAL
Aroclor-1248 [1]	ND	0.91	mg/Kg dry	40		SW-846 8082A	7/30/18	8/1/18 20:33	WAL
Aroclor-1254 [2]	5.1	0.91	mg/Kg dry	40		SW-846 8082A	7/30/18	8/1/18 20:33	WAL
Aroclor-1260 [1]	ND	0.91	mg/Kg dry	40		SW-846 8082A	7/30/18	8/1/18 20:33	WAL
Aroclor-1262 [1]	ND	0.91	mg/Kg dry	40		SW-846 8082A	7/30/18	8/1/18 20:33	WAL
Aroclor-1268 [1]	ND	0.91	mg/Kg dry	40		SW-846 8082A	7/30/18	8/1/18 20:33	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/1/18 20:33	
Decachlorobiphenyl [2]		*	30-150		S-01			8/1/18 20:33	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/1/18 20:33	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/1/18 20:33	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-E-1 (0-0.5)

Sampled: 7/26/2018 13:47

Sample ID: 18G1118-17

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	150	0.59	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 18:12	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-E-1 (0-0.5)

Sampled: 7/26/2018 13:47

Sample ID: 18G1118-17

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.2		% Wt	1		SM 2540G	7/31/18	8/1/18 13:22	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-E-1 (0.5-1.5)

Sampled: 7/26/2018 13:48

Sample ID: 18G1118-18

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 16:09	WAL
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 16:09	WAL
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 16:09	WAL
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 16:09	WAL
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 16:09	WAL
Aroclor-1254 [2]	0.31	0.085	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 16:09	WAL
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 16:09	WAL
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 16:09	WAL
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 16:09	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		83.6	30-150					8/1/18 16:09	
Decachlorobiphenyl [2]		88.4	30-150					8/1/18 16:09	
Tetrachloro-m-xylene [1]		83.2	30-150					8/1/18 16:09	
Tetrachloro-m-xylene [2]		78.1	30-150					8/1/18 16:09	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-E-1 (0.5-1.5)

Sampled: 7/26/2018 13:48

Sample ID: 18G1118-18

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	120	0.55	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 18:16	QNW



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-E-1 (0.5-1.5)

Sampled: 7/26/2018 13:48

Sample ID: 18G1118-18

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.0		% Wt	1		SM 2540G	7/31/18	8/1/18 13:23	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-E-1 (1.5-2.5)

Sampled: 7/26/2018 13:49

Sample ID: 18G1118-19

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 16:22	WAL
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 16:22	WAL
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 16:22	WAL
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 16:22	WAL
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 16:22	WAL
Aroclor-1254 [2]	0.38	0.088	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 16:22	WAL
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 16:22	WAL
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 16:22	WAL
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 16:22	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		93.5	30-150					8/1/18 16:22	
Decachlorobiphenyl [2]		97.7	30-150					8/1/18 16:22	
Tetrachloro-m-xylene [1]		100	30-150					8/1/18 16:22	
Tetrachloro-m-xylene [2]		93.5	30-150					8/1/18 16:22	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-E-1 (1.5-2.5)

Sampled: 7/26/2018 13:49

Sample ID: 18G1118-19

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	74	0.55	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 18:20	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-E-1 (1.5-2.5)

Sampled: 7/26/2018 13:49

Sample ID: 18G1118-19

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.0		% Wt	1		SM 2540G	7/31/18	8/1/18 13:23	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-E-1 (2.5-3.5)

Sampled: 7/26/2018 13:50

Sample ID: 18G1118-20

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 16:34	WAL
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 16:34	WAL
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 16:34	WAL
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 16:34	WAL
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 16:34	WAL
Aroclor-1254 [2]	0.39	0.092	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 16:34	WAL
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 16:34	WAL
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 16:34	WAL
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 16:34	WAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	60.4		30-150				8/1/18 16:34		
Decachlorobiphenyl [2]	71.6		30-150				8/1/18 16:34		
Tetrachloro-m-xylene [1]	69.4		30-150				8/1/18 16:34		
Tetrachloro-m-xylene [2]	64.6		30-150				8/1/18 16:34		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-E-1 (2.5-3.5)

Sampled: 7/26/2018 13:50

Sample ID: 18G1118-20

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	170	0.60	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 18:24	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1118

Date Received: 7/26/2018

Field Sample #: B-E-1 (2.5-3.5)

Sampled: 7/26/2018 13:50

Sample ID: 18G1118-20

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.2		% Wt	1		SM 2540G	7/31/18	8/1/18 13:23	JFC

**Sample Extraction Data**

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18G1118-01 [B-G-7 (0-0.5)]	B209115	07/31/18
18G1118-02 [B-G-7 (0.5-1.5)]	B209115	07/31/18
18G1118-03 [B-G-7 (1.5-2.5)]	B209115	07/31/18
18G1118-04 [B-G-7 (2.5-3.5)]	B209115	07/31/18
18G1118-05 [B-G-5 (0-0.5)]	B209115	07/31/18
18G1118-06 [B-G-5 (0.5-1.5)]	B209115	07/31/18
18G1118-07 [B-G-5 (1.5-2.5)]	B209115	07/31/18
18G1118-08 [B-G-5 (2.5-3.5)]	B209115	07/31/18
18G1118-09 [B-G-3 (0-0.5)]	B209115	07/31/18
18G1118-10 [B-G-3 (0.5-1.5)]	B209115	07/31/18
18G1118-11 [B-G-3 (1.5-2.5)]	B209115	07/31/18
18G1118-12 [B-G-3 (2.5-3.5)]	B209115	07/31/18
18G1118-13 [B-G-1 (0-0.5)]	B209115	07/31/18
18G1118-14 [B-G-1 (0.5-1.5)]	B209115	07/31/18
18G1118-15 [B-G-1 (1.5-2.5)]	B209115	07/31/18
18G1118-16 [B-G-1 (2.5-3.5)]	B209115	07/31/18
18G1118-17 [B-E-1 (0-0.5)]	B209115	07/31/18
18G1118-18 [B-E-1 (0.5-1.5)]	B209115	07/31/18
18G1118-19 [B-E-1 (1.5-2.5)]	B209115	07/31/18
18G1118-20 [B-E-1 (2.5-3.5)]	B209115	07/31/18

**Prep Method: SW-846 3050B-SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1118-01 [B-G-7 (0-0.5)]	B209160	1.51	50.0	07/31/18
18G1118-02 [B-G-7 (0.5-1.5)]	B209160	1.55	50.0	07/31/18
18G1118-03 [B-G-7 (1.5-2.5)]	B209160	1.53	50.0	07/31/18
18G1118-04 [B-G-7 (2.5-3.5)]	B209160	1.50	50.0	07/31/18
18G1118-05 [B-G-5 (0-0.5)]	B209160	1.51	50.0	07/31/18
18G1118-06 [B-G-5 (0.5-1.5)]	B209160	1.53	50.0	07/31/18
18G1118-07 [B-G-5 (1.5-2.5)]	B209160	1.50	50.0	07/31/18
18G1118-08 [B-G-5 (2.5-3.5)]	B209160	1.54	50.0	07/31/18
18G1118-09 [B-G-3 (0-0.5)]	B209160	1.50	50.0	07/31/18
18G1118-10 [B-G-3 (0.5-1.5)]	B209160	1.55	50.0	07/31/18
18G1118-11 [B-G-3 (1.5-2.5)]	B209160	1.54	50.0	07/31/18
18G1118-12 [B-G-3 (2.5-3.5)]	B209160	1.52	50.0	07/31/18
18G1118-13 [B-G-1 (0-0.5)]	B209160	1.52	50.0	07/31/18
18G1118-14 [B-G-1 (0.5-1.5)]	B209160	1.52	50.0	07/31/18
18G1118-15 [B-G-1 (1.5-2.5)]	B209160	1.53	50.0	07/31/18
18G1118-16 [B-G-1 (2.5-3.5)]	B209160	1.51	50.0	07/31/18
18G1118-17 [B-E-1 (0-0.5)]	B209160	1.52	50.0	07/31/18
18G1118-18 [B-E-1 (0.5-1.5)]	B209160	1.51	50.0	07/31/18
18G1118-19 [B-E-1 (1.5-2.5)]	B209160	1.51	50.0	07/31/18
18G1118-20 [B-E-1 (2.5-3.5)]	B209160	1.50	50.0	07/31/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1118-01 [B-G-7 (0-0.5)]	B209015	10.4	10.0	07/30/18
18G1118-02 [B-G-7 (0.5-1.5)]	B209015	10.6	10.0	07/30/18
18G1118-03 [B-G-7 (1.5-2.5)]	B209015	10.1	10.0	07/30/18
18G1118-04 [B-G-7 (2.5-3.5)]	B209015	10.1	10.0	07/30/18
18G1118-05 [B-G-5 (0-0.5)]	B209015	10.3	10.0	07/30/18



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**Sample Extraction Data****Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1118-06 [B-G-5 (0.5-1.5)]	B209015	10.0	10.0	07/30/18
18G1118-07 [B-G-5 (1.5-2.5)]	B209015	10.6	10.0	07/30/18
18G1118-08 [B-G-5 (2.5-3.5)]	B209015	10.4	10.0	07/30/18
18G1118-09 [B-G-3 (0-0.5)]	B209015	10.6	10.0	07/30/18
18G1118-10 [B-G-3 (0.5-1.5)]	B209015	10.0	10.0	07/30/18
18G1118-11 [B-G-3 (1.5-2.5)]	B209015	10.6	10.0	07/30/18
18G1118-12 [B-G-3 (2.5-3.5)]	B209015	10.0	10.0	07/30/18
18G1118-13 [B-G-1 (0-0.5)]	B209015	10.5	10.0	07/30/18
18G1118-14 [B-G-1 (0.5-1.5)]	B209015	10.1	10.0	07/30/18
18G1118-15 [B-G-1 (1.5-2.5)]	B209015	10.0	10.0	07/30/18
18G1118-16 [B-G-1 (2.5-3.5)]	B209015	10.4	10.0	07/30/18
18G1118-17 [B-E-1 (0-0.5)]	B209015	10.4	10.0	07/30/18
18G1118-18 [B-E-1 (0.5-1.5)]	B209015	10.4	10.0	07/30/18
18G1118-19 [B-E-1 (1.5-2.5)]	B209015	10.1	10.0	07/30/18
18G1118-20 [B-E-1 (2.5-3.5)]	B209015	10.4	10.0	07/30/18

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209015 - SW-846 3540C</b>										
<b>Blank (B209015-BLK1)</b>										
Prepared: 07/30/18 Analyzed: 08/01/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.224		mg/Kg wet	0.200		112	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.238		mg/Kg wet	0.200		119	30-150			
Surrogate: Tetrachloro-m-xylene	0.192		mg/Kg wet	0.200		95.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.175		mg/Kg wet	0.200		87.5	30-150			
<b>LCS (B209015-BS1)</b>										
Prepared: 07/30/18 Analyzed: 08/01/18										
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		91.5	40-140			
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		88.7	40-140			
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		89.9	40-140			
Aroclor-1260 [2C]	0.20	0.020	mg/Kg wet	0.200		97.5	40-140			
Surrogate: Decachlorobiphenyl	0.216		mg/Kg wet	0.200		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.229		mg/Kg wet	0.200		114	30-150			
Surrogate: Tetrachloro-m-xylene	0.190		mg/Kg wet	0.200		95.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.175		mg/Kg wet	0.200		87.6	30-150			
<b>LCS Dup (B209015-BSD1)</b>										
Prepared: 07/30/18 Analyzed: 08/01/18										
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		90.8	40-140	0.798	30	
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		87.5	40-140	1.45	30	
Aroclor-1260	0.19	0.020	mg/Kg wet	0.200		93.5	40-140	3.90	30	
Aroclor-1260 [2C]	0.20	0.020	mg/Kg wet	0.200		98.9	40-140	1.37	30	
Surrogate: Decachlorobiphenyl	0.225		mg/Kg wet	0.200		112	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.239		mg/Kg wet	0.200		119	30-150			
Surrogate: Tetrachloro-m-xylene	0.182		mg/Kg wet	0.200		90.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.168		mg/Kg wet	0.200		83.8	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209015 - SW-846 3540C</b>										
<b>Matrix Spike (B209015-MS1)</b>	<b>Source: 18G1118-01</b>			Prepared: 07/30/18 Analyzed: 08/01/18						
Aroclor-1016	0.22	0.093	mg/Kg dry	0.234	ND	93.2	40-140			
Aroclor-1016 [2C]	0.22	0.093	mg/Kg dry	0.234	ND	95.9	40-140			
Aroclor-1260	0.26	0.093	mg/Kg dry	0.234	ND	113	40-140			
<b>Aroclor-1260 [2C]</b>	0.35	0.093	mg/Kg dry	0.234	ND	<b>148</b> *	40-140			MS-21
Surrogate: Decachlorobiphenyl	0.188		mg/Kg dry	0.234		80.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.197		mg/Kg dry	0.234		84.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.198		mg/Kg dry	0.234		84.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.184		mg/Kg dry	0.234		78.6	30-150			
<b>Matrix Spike Dup (B209015-MSD1)</b>	<b>Source: 18G1118-01</b>			Prepared: 07/30/18 Analyzed: 08/01/18						
Aroclor-1016	0.23	0.092	mg/Kg dry	0.229	ND	99.3	40-140	4.35	50	
Aroclor-1016 [2C]	0.22	0.092	mg/Kg dry	0.229	ND	96.1	40-140	1.74	50	
Aroclor-1260	0.27	0.092	mg/Kg dry	0.229	ND	119	40-140	2.87	50	
<b>Aroclor-1260 [2C]</b>	0.36	0.092	mg/Kg dry	0.229	ND	<b>156</b> *	40-140	2.83	50	MS-21
Surrogate: Decachlorobiphenyl	0.196		mg/Kg dry	0.229		85.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.200		mg/Kg dry	0.229		87.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.208		mg/Kg dry	0.229		90.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.195		mg/Kg dry	0.229		85.4	30-150			

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**QUALITY CONTROL**

**Metals Analyses (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209160 - SW-846 3050B</b>										
<b>Blank (B209160-BLK1)</b>					Prepared: 07/31/18 Analyzed: 08/01/18					
Lead	ND	0.50	mg/Kg wet							
<b>LCS (B209160-BS1)</b>					Prepared: 07/31/18 Analyzed: 08/01/18					
Lead	103	1.5	mg/Kg wet	111		92.6	83-117.1			
<b>LCS Dup (B209160-BSD1)</b>					Prepared: 07/31/18 Analyzed: 08/01/18					
Lead	102	1.5	mg/Kg wet	111		91.7	83-117.1	0.946	30	
<b>Duplicate (B209160-DUP1)</b>					<b>Source: 18G1118-01</b> Prepared: 07/31/18 Analyzed: 08/01/18					
Lead	73.4	0.58	mg/Kg dry		70.2			4.46	35	
<b>MRL Check (B209160-MRL1)</b>					Prepared: 07/31/18 Analyzed: 08/01/18					
Lead	0.465	0.48	mg/Kg wet	0.482		96.6	80-120			
<b>Matrix Spike (B209160-MS1)</b>					<b>Source: 18G1118-01</b> Prepared: 07/31/18 Analyzed: 08/01/18					
Lead	103	0.58	mg/Kg dry	19.2	70.2	170 *	75-125			MS-11

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**QUALITY CONTROL**

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209115 - % Solids</b>										
<b>Duplicate (B209115-DUP3)</b>	<b>Source: 18G1118-06</b>			Prepared: 07/31/18 Analyzed: 08/01/18						
% Solids	96.1		% Wt		96.4			0.365	20	
<b>Duplicate (B209115-DUP4)</b>	<b>Source: 18G1118-17</b>			Prepared: 07/31/18 Analyzed: 08/01/18						
% Solids	84.6		% Wt		84.2			0.503	20	

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-G-7 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1118-01 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.1	
	2	0.000	-0.030	0.030	1.1	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-G-7 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1118-02 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.22	
	2	0.000	-0.030	0.030	0.25	8.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-G-7 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1118-03 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.99	
	2	0.000	-0.030	0.030	1.0	1.0



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-G-7 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1118-04 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	3.6	
	2	0.000	-0.030	0.030	3.8	5.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-G-5 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1118-05 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.0	
	2	0.000	-0.030	0.030	2.0	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-G-5 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1118-07 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	14	
	2	0.000	-0.030	0.030	15	6.9

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-G-5 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1118-08 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	7.3	
	2	0.000	-0.030	0.030	7.9	6.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-G-3 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1118-09 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	8.2	
	2	0.000	-0.030	0.030	8.5	3.6

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-G-3 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1118-10 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.7	
	2	0.000	-0.030	0.030	1.7	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-G-3 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1118-11 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	3.2	
	2	0.000	-0.030	0.030	3.4	6.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-G-3 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1118-12 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	15	
	2	0.000	-0.030	0.030	15	0.0



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-G-1 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1118-13 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	7.0	
	2	0.000	-0.030	0.030	7.5	6.9

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-G-1 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1118-14 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	14	
	2	0.000	-0.030	0.030	15	6.9

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-G-1 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1118-15 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.28	
	2	0.000	-0.030	0.030	0.29	3.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-G-1 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1118-16 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.21	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-E-1 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1118-17 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	4.8	
	2	0.000	-0.030	0.030	5.1	6.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-E-1 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1118-18 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.28	
	2	0.000	-0.030	0.030	0.31	10.2

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-E-1 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1118-19 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.34	
	2	0.000	-0.030	0.030	0.38	8.2

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-E-1 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1118-20 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.37	
	2	0.000	-0.030	0.030	0.39	5.3



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS

*SW-846 8082A*

Lab Sample ID:                     B209015-BS1                                          Date(s) Analyzed:           08/01/2018                     08/01/2018          

Instrument ID (1):                     ECD5                                          Instrument ID (2):                     ECD5                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.18	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.20	10.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

*SW-846 8082A*

Lab Sample ID:                     B209015-BSD1                                          Date(s) Analyzed:           08/01/2018                     08/01/2018          

Instrument ID (1):                     ECD5                                          Instrument ID (2):                     ECD5                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.17	5.7
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.20	5.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike**

*SW-846 8082A*

Lab Sample ID:                     B209015-MS1                                          Date(s) Analyzed:           08/01/2018                     08/01/2018          

Instrument ID (1):                     ECD5                                          Instrument ID (2):                     ECD5                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.22	
	2	0.000	-0.030	0.030	0.22	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.26	
	2	0.000	-0.030	0.030	0.35	29.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike Dup**

*SW-846 8082A*

Lab Sample ID:                     B209015-MSD1                                          Date(s) Analyzed:           08/01/2018                     08/01/2018          

Instrument ID (1):                     ECD5                                          Instrument ID (2):                     ECD5                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.23	
	2	0.000	-0.030	0.030	0.22	4.4
Aroclor-1260	1	0.000	-0.030	0.030	0.27	
	2	0.000	-0.030	0.030	0.36	28.6

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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
MS-11	Matrix spike recovery outside of control limits. Possibility of sample matrix effects that lead to a high bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
O-32	A dilution was performed as part of the standard analytical procedure.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<b>SW-846 6010D in Soil</b>	
Lead	CT,NH,NY,AIHA,ME,VA,NC
<b>SW-846 8082A in Soil</b>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019









Address: CONWAY PARK

Phone: \_\_\_\_\_

Project Location: \_\_\_\_\_

Project Number: \_\_\_\_\_

Project Manager: \_\_\_\_\_

Con-Test Quote Name/Number: \_\_\_\_\_

Invoice Recipient: \_\_\_\_\_

Sampled By: \_\_\_\_\_

Requested Turnaround Time:  7-Day  10-Day

Due Date: \_\_\_\_\_

Fast Approval Required:  1-Day  3-Day  2-Day  4-Day

Data Delivery:  PDF  EXCEL

Other: \_\_\_\_\_

CLP Like Data Pkg Required:

Email To: \_\_\_\_\_

Fax To #: \_\_\_\_\_

Con-Test Work Order #	Client Sample ID / Description	Priority	Sampling Date/Time	Component	Matrix Code	Preservation Code	Container Code
09	B-G-5 (11.5-13.5)	7/26	7/26	1	S	U	
10	B-G-3 (0-0.5)		1317	1	S	U	
11	B-G-3 (0.5-1.5)		1318	1	S	U	
12	B-G-3 (1.5-2.5)		1319	1	S	U	
13	B-G-3 (2.5-3.5)		1320	1	S	U	
14	B-G-3 (3.5-5.5)		1321	1	S	U	
15	B-G-3 (5.5-7.5)		1322	1	S	U	
	B-G-3 (0-0.5)		1335	1	S	U	
	B-G-3 (0.5-1.5)		1336	1	S	U	
	B-G-3 (1.5-2.5)		1337	1	S	U	

Comments: Samples w/ NO analyses checked to be held

Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/26

Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/26/18 16:15

Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/26/18 19:45

Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/26/18 19:45

Relinquished by: (signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Relinquished by: (signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Relinquished by: (signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Special Requirements:

- MA MCP Required
- NEP Certification Form Required
- CT RCP Required
- RCP Certification Form Required
- MA State DW Required

Project Entity:

- Government
- Federal
- City
- Municipality
- 21 J
- Brownfield
- MWRA
- School
- MBTA
- WRTA
- Chromatogram
- AIHA-LAP, LLC

ANALYSIS REQUESTED

Matrix Codes:  
GW = Ground Water  
WW = Waste Water  
DW = Drinking Water  
A = Air  
S = Soil  
SL = Sludge  
SOL = Solid  
O = Other (please define)

Preservation Codes:  
1 = Iced  
H = HCL  
M = Methanol  
N = Nitric Acid  
S = Sulfuric Acid  
B = Sodium Bisulfate  
X = Sodium Hydroxide  
T = Sodium Thiosulfate  
O = Other (please define)

Container Codes:  
A = Amber Glass  
G = Glass  
P = Plastic  
ST = Sterile  
V = Vial  
S = Summa Canister  
T = Fedlar Bag  
O = Other (please define)

PCB ONLY:  
 Soxhlet  
 Non Soxhlet







**con-test**  
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False**

Client W+S  
 Received By SE Date 7/26/18 Time 1945  
 How were the samples received? In Cooler T No Cooler \_\_\_\_\_ On Ice T No Ice \_\_\_\_\_  
 Direct from Sampling \_\_\_\_\_ Ambient \_\_\_\_\_ Melted Ice \_\_\_\_\_  
 Were samples within Temperature? 2-6°C T By Gun # 8 Actual Temp - 3.4, 3.6  
 By Blank # \_\_\_\_\_ Actual Temp - \_\_\_\_\_  
 Was Custody Seal Intact? N/A Were Samples Tampered with? N/A  
 Was COC Relinquished? T Does Chain Agree With Samples? T  
 Are there broken/leaking/loose caps on any samples? F  
 Is COC in ink/ Legible? T Were samples received within holding time? T  
 Did COC include all pertinent Information? Client T Analysis T Sampler Name T  
 Project T ID's T Collection Dates/Times T  
 Are Sample labels filled out and legible? T  
 Are there Lab to Filters? F Who was notified? \_\_\_\_\_  
 Are there Rushes? F Who was notified? \_\_\_\_\_  
 Are there Short Holds? F Who was notified? \_\_\_\_\_  
 Is there enough Volume? T  
 Is there Headspace where applicable? N/A MS/MSD? F  
 Proper Media/Containers Used? T Is splitting samples required? F  
 Were trip blanks received? F On COC? F  
 Do all samples have the proper pH? N/A Acid \_\_\_\_\_ Base \_\_\_\_\_

Vials	#	Containers	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Mech-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

**Unused Media**

Vials	#	Containers	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Mech-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Comments:



August 2, 2018

Taylor Smith  
Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960

Project Location: Conway Park., Somerville, MA  
Client Job Number:  
Project Number: [none]  
Laboratory Work Order Number: 18G1119

Enclosed are results of analyses for samples received by the laboratory on July 26, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Meghan E. Kelley". The signature is written in a cursive style with a large, flowing "y" at the end.

Meghan E. Kelley  
Project Manager

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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 8/2/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1119

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-E-3 (0-0.5)	18G1119-01	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-E-3 (0.5-1.5)	18G1119-02	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-E-3 (1.5-2.5)	18G1119-03	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-E-3 (2.5-3.5)	18G1119-04	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-E-7 (0-0.5)	18G1119-05	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-E-7 (0.5-1.5)	18G1119-06	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-E-7 (1.5-2.5)	18G1119-07	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-E-7 (2.5-3.5)	18G1119-08	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-E-9 (0-0.5)	18G1119-09	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-E-9 (0.5-1.5)	18G1119-10	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-E-9 (1.5-2.5)	18G1119-11	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-E-9 (2.5-3.5)	18G1119-12	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-E-4 (0.5-1.5)	18G1119-13	Soil		SM 2540G SW-846 6010D SW-846 8082A	



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Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 8/2/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1119

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-E-4 (1.5-2.5)	18G1119-14	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-E-4 (2.5-3.5)	18G1119-15	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-E-5 (0-0.5)	18G1119-16	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-E-5 (0.5-1.5)	18G1119-17	Soil		SM 2540G SW-846 6010D SW-846 8082A	

**CASE NARRATIVE SUMMARY**

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 6010, only Pb was requested and reported.

**SW-846 8082A**

**Qualifications:****MS-21**

Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.

**Analyte & Samples(s) Qualified:****Aroclor-1260**

B209014-MS1

**Aroclor-1260 [2C]**

B209014-MS1, B209014-MSD1

**O-32**

A dilution was performed as part of the standard analytical procedure.

**Analyte & Samples(s) Qualified:**

18G1119-10[B-E-9 (0.5-1.5)], 18G1119-12[B-E-9 (2.5-3.5)], 18G1119-13[B-E-4 (0.5-1.5)], 18G1119-16[B-E-5 (0-0.5)]

**S-01**

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**Analyte & Samples(s) Qualified:****Decachlorobiphenyl**

18G1119-03[B-E-3 (1.5-2.5)], 18G1119-07[B-E-7 (1.5-2.5)], 18G1119-08[B-E-7 (2.5-3.5)], 18G1119-09[B-E-9 (0-0.5)]

**Decachlorobiphenyl [2C]**

18G1119-03[B-E-3 (1.5-2.5)], 18G1119-07[B-E-7 (1.5-2.5)], 18G1119-08[B-E-7 (2.5-3.5)], 18G1119-09[B-E-9 (0-0.5)]

**Tetrachloro-m-xylene**

18G1119-03[B-E-3 (1.5-2.5)], 18G1119-07[B-E-7 (1.5-2.5)], 18G1119-08[B-E-7 (2.5-3.5)], 18G1119-09[B-E-9 (0-0.5)]

**Tetrachloro-m-xylene [2C]**

18G1119-03[B-E-3 (1.5-2.5)], 18G1119-07[B-E-7 (1.5-2.5)], 18G1119-08[B-E-7 (2.5-3.5)], 18G1119-09[B-E-9 (0-0.5)]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington  
Project Manager

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-3 (0-0.5)

Sampled: 7/26/2018 14:15

Sample ID: 18G1119-01

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.17	mg/Kg dry	8		SW-846 8082A	7/30/18	8/1/18 22:22	WAL
Aroclor-1221 [1]	ND	0.17	mg/Kg dry	8		SW-846 8082A	7/30/18	8/1/18 22:22	WAL
Aroclor-1232 [1]	ND	0.17	mg/Kg dry	8		SW-846 8082A	7/30/18	8/1/18 22:22	WAL
Aroclor-1242 [1]	ND	0.17	mg/Kg dry	8		SW-846 8082A	7/30/18	8/1/18 22:22	WAL
Aroclor-1248 [1]	ND	0.17	mg/Kg dry	8		SW-846 8082A	7/30/18	8/1/18 22:22	WAL
Aroclor-1254 [2]	1.3	0.17	mg/Kg dry	8		SW-846 8082A	7/30/18	8/1/18 22:22	WAL
Aroclor-1260 [1]	ND	0.17	mg/Kg dry	8		SW-846 8082A	7/30/18	8/1/18 22:22	WAL
Aroclor-1262 [1]	ND	0.17	mg/Kg dry	8		SW-846 8082A	7/30/18	8/1/18 22:22	WAL
Aroclor-1268 [1]	ND	0.17	mg/Kg dry	8		SW-846 8082A	7/30/18	8/1/18 22:22	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		76.5	30-150					8/1/18 22:22	
Decachlorobiphenyl [2]		81.9	30-150					8/1/18 22:22	
Tetrachloro-m-xylene [1]		61.0	30-150					8/1/18 22:22	
Tetrachloro-m-xylene [2]		75.5	30-150					8/1/18 22:22	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-3 (0-0.5)

Sampled: 7/26/2018 14:15

Sample ID: 18G1119-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	11	0.57	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 17:55	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-3 (0-0.5)

Sampled: 7/26/2018 14:15

Sample ID: 18G1119-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.3		% Wt	1		SM 2540G	7/31/18	8/1/18 13:35	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-3 (0.5-1.5)

Sampled: 7/26/2018 14:16

Sample ID: 18G1119-02

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 15:47	WAL
Aroclor-1221 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 15:47	WAL
Aroclor-1232 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 15:47	WAL
Aroclor-1242 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 15:47	WAL
Aroclor-1248 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 15:47	WAL
Aroclor-1254 [2]	0.67	0.081	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 15:47	WAL
Aroclor-1260 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 15:47	WAL
Aroclor-1262 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 15:47	WAL
Aroclor-1268 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 15:47	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		107	30-150					8/1/18 15:47	
Decachlorobiphenyl [2]		114	30-150					8/1/18 15:47	
Tetrachloro-m-xylene [1]		82.1	30-150					8/1/18 15:47	
Tetrachloro-m-xylene [2]		99.2	30-150					8/1/18 15:47	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-3 (0.5-1.5)

Sampled: 7/26/2018 14:16

Sample ID: 18G1119-02

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	11	0.52	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 18:00	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-3 (0.5-1.5)

Sampled: 7/26/2018 14:16

Sample ID: 18G1119-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.1		% Wt	1		SM 2540G	7/31/18	8/1/18 13:35	JFC



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-3 (1.5-2.5)

Sampled: 7/26/2018 14:17

Sample ID: 18G1119-03

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 22:34	WAL
Aroclor-1221 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 22:34	WAL
Aroclor-1232 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 22:34	WAL
Aroclor-1242 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 22:34	WAL
Aroclor-1248 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 22:34	WAL
Aroclor-1254 [2]	14	1.8	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 22:34	WAL
Aroclor-1260 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 22:34	WAL
Aroclor-1262 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 22:34	WAL
Aroclor-1268 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 22:34	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/1/18 22:34	
Decachlorobiphenyl [2]		*	30-150		S-01			8/1/18 22:34	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/1/18 22:34	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/1/18 22:34	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-3 (1.5-2.5)

Sampled: 7/26/2018 14:17

Sample ID: 18G1119-03

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	82	0.55	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 18:06	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-3 (1.5-2.5)

Sampled: 7/26/2018 14:17

Sample ID: 18G1119-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.4		% Wt	1		SM 2540G	7/31/18	8/1/18 13:35	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-3 (2.5-3.5)

Sampled: 7/26/2018 14:18

Sample ID: 18G1119-04

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.17	mg/Kg dry	8		SW-846 8082A	7/30/18	8/1/18 22:47	WAL
Aroclor-1221 [1]	ND	0.17	mg/Kg dry	8		SW-846 8082A	7/30/18	8/1/18 22:47	WAL
Aroclor-1232 [1]	ND	0.17	mg/Kg dry	8		SW-846 8082A	7/30/18	8/1/18 22:47	WAL
Aroclor-1242 [1]	ND	0.17	mg/Kg dry	8		SW-846 8082A	7/30/18	8/1/18 22:47	WAL
Aroclor-1248 [1]	ND	0.17	mg/Kg dry	8		SW-846 8082A	7/30/18	8/1/18 22:47	WAL
Aroclor-1254 [2]	1.2	0.17	mg/Kg dry	8		SW-846 8082A	7/30/18	8/1/18 22:47	WAL
Aroclor-1260 [1]	ND	0.17	mg/Kg dry	8		SW-846 8082A	7/30/18	8/1/18 22:47	WAL
Aroclor-1262 [1]	ND	0.17	mg/Kg dry	8		SW-846 8082A	7/30/18	8/1/18 22:47	WAL
Aroclor-1268 [1]	ND	0.17	mg/Kg dry	8		SW-846 8082A	7/30/18	8/1/18 22:47	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		91.9	30-150					8/1/18 22:47	
Decachlorobiphenyl [2]		99.3	30-150					8/1/18 22:47	
Tetrachloro-m-xylene [1]		76.9	30-150					8/1/18 22:47	
Tetrachloro-m-xylene [2]		92.9	30-150					8/1/18 22:47	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-3 (2.5-3.5)

Sampled: 7/26/2018 14:18

Sample ID: 18G1119-04

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	330	0.56	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 18:12	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-3 (2.5-3.5)

Sampled: 7/26/2018 14:18

Sample ID: 18G1119-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.2		% Wt	1		SM 2540G	7/31/18	8/1/18 13:36	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-7 (0-0.5)

Sampled: 7/26/2018 15:03

Sample ID: 18G1119-05

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	7/30/18	8/1/18 22:59	WAL
Aroclor-1221 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	7/30/18	8/1/18 22:59	WAL
Aroclor-1232 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	7/30/18	8/1/18 22:59	WAL
Aroclor-1242 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	7/30/18	8/1/18 22:59	WAL
Aroclor-1248 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	7/30/18	8/1/18 22:59	WAL
Aroclor-1254 [2]	1.1	0.18	mg/Kg dry	8		SW-846 8082A	7/30/18	8/1/18 22:59	WAL
Aroclor-1260 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	7/30/18	8/1/18 22:59	WAL
Aroclor-1262 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	7/30/18	8/1/18 22:59	WAL
Aroclor-1268 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	7/30/18	8/1/18 22:59	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		87.1	30-150					8/1/18 22:59	
Decachlorobiphenyl [2]		94.8	30-150					8/1/18 22:59	
Tetrachloro-m-xylene [1]		71.7	30-150					8/1/18 22:59	
Tetrachloro-m-xylene [2]		89.2	30-150					8/1/18 22:59	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-7 (0-0.5)

Sampled: 7/26/2018 15:03

Sample ID: 18G1119-05

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	66	0.56	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 18:18	QNW



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-7 (0-0.5)

Sampled: 7/26/2018 15:03

Sample ID: 18G1119-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.9		% Wt	1		SM 2540G	7/31/18	8/1/18 13:36	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-7 (0.5-1.5)

Sampled: 7/26/2018 15:04

Sample ID: 18G1119-06

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	7/30/18	8/1/18 23:11	WAL
Aroclor-1221 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	7/30/18	8/1/18 23:11	WAL
Aroclor-1232 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	7/30/18	8/1/18 23:11	WAL
Aroclor-1242 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	7/30/18	8/1/18 23:11	WAL
Aroclor-1248 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	7/30/18	8/1/18 23:11	WAL
Aroclor-1254 [2]	2.7	0.48	mg/Kg dry	20		SW-846 8082A	7/30/18	8/1/18 23:11	WAL
Aroclor-1260 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	7/30/18	8/1/18 23:11	WAL
Aroclor-1262 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	7/30/18	8/1/18 23:11	WAL
Aroclor-1268 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	7/30/18	8/1/18 23:11	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		94.9	30-150					8/1/18 23:11	
Decachlorobiphenyl [2]		104	30-150					8/1/18 23:11	
Tetrachloro-m-xylene [1]		78.1	30-150					8/1/18 23:11	
Tetrachloro-m-xylene [2]		99.1	30-150					8/1/18 23:11	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-7 (0.5-1.5)

Sampled: 7/26/2018 15:04

Sample ID: 18G1119-06

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	150	0.61	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 18:23	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-7 (0.5-1.5)

Sampled: 7/26/2018 15:04

Sample ID: 18G1119-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.4		% Wt	1		SM 2540G	7/31/18	8/1/18 13:36	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-7 (1.5-2.5)

Sampled: 7/26/2018 15:05

Sample ID: 18G1119-07

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 23:23	WAL
Aroclor-1221 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 23:23	WAL
Aroclor-1232 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 23:23	WAL
Aroclor-1242 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 23:23	WAL
Aroclor-1248 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 23:23	WAL
Aroclor-1254 [2]	10	1.8	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 23:23	WAL
Aroclor-1260 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 23:23	WAL
Aroclor-1262 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 23:23	WAL
Aroclor-1268 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	7/30/18	8/1/18 23:23	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/1/18 23:23	
Decachlorobiphenyl [2]		*	30-150		S-01			8/1/18 23:23	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/1/18 23:23	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/1/18 23:23	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-7 (1.5-2.5)

Sampled: 7/26/2018 15:05

Sample ID: 18G1119-07

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	320	0.56	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 18:28	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-7 (1.5-2.5)

Sampled: 7/26/2018 15:05

Sample ID: 18G1119-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.6		% Wt	1		SM 2540G	7/31/18	8/1/18 13:36	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-7 (2.5-3.5)

Sampled: 7/26/2018 15:06

Sample ID: 18G1119-08

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.3	mg/Kg dry	200		SW-846 8082A	7/30/18	8/1/18 23:35	WAL
Aroclor-1221 [1]	ND	4.3	mg/Kg dry	200		SW-846 8082A	7/30/18	8/1/18 23:35	WAL
Aroclor-1232 [1]	ND	4.3	mg/Kg dry	200		SW-846 8082A	7/30/18	8/1/18 23:35	WAL
Aroclor-1242 [1]	ND	4.3	mg/Kg dry	200		SW-846 8082A	7/30/18	8/1/18 23:35	WAL
Aroclor-1248 [1]	ND	4.3	mg/Kg dry	200		SW-846 8082A	7/30/18	8/1/18 23:35	WAL
Aroclor-1254 [2]	33	4.3	mg/Kg dry	200		SW-846 8082A	7/30/18	8/1/18 23:35	WAL
Aroclor-1260 [1]	ND	4.3	mg/Kg dry	200		SW-846 8082A	7/30/18	8/1/18 23:35	WAL
Aroclor-1262 [1]	ND	4.3	mg/Kg dry	200		SW-846 8082A	7/30/18	8/1/18 23:35	WAL
Aroclor-1268 [1]	ND	4.3	mg/Kg dry	200		SW-846 8082A	7/30/18	8/1/18 23:35	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/1/18 23:35	
Decachlorobiphenyl [2]		*	30-150		S-01			8/1/18 23:35	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/1/18 23:35	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/1/18 23:35	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-7 (2.5-3.5)

Sampled: 7/26/2018 15:06

Sample ID: 18G1119-08

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	570	0.57	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 18:34	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-7 (2.5-3.5)

Sampled: 7/26/2018 15:06

Sample ID: 18G1119-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.2		% Wt	1		SM 2540G	7/31/18	8/1/18 13:36	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-9 (0-0.5)

Sampled: 7/26/2018 15:25

Sample ID: 18G1119-09

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.95	mg/Kg dry	40		SW-846 8082A	7/30/18	8/1/18 23:48	WAL
Aroclor-1221 [1]	ND	0.95	mg/Kg dry	40		SW-846 8082A	7/30/18	8/1/18 23:48	WAL
Aroclor-1232 [1]	ND	0.95	mg/Kg dry	40		SW-846 8082A	7/30/18	8/1/18 23:48	WAL
Aroclor-1242 [1]	ND	0.95	mg/Kg dry	40		SW-846 8082A	7/30/18	8/1/18 23:48	WAL
Aroclor-1248 [1]	ND	0.95	mg/Kg dry	40		SW-846 8082A	7/30/18	8/1/18 23:48	WAL
Aroclor-1254 [2]	8.2	0.95	mg/Kg dry	40		SW-846 8082A	7/30/18	8/1/18 23:48	WAL
Aroclor-1260 [1]	ND	0.95	mg/Kg dry	40		SW-846 8082A	7/30/18	8/1/18 23:48	WAL
Aroclor-1262 [1]	ND	0.95	mg/Kg dry	40		SW-846 8082A	7/30/18	8/1/18 23:48	WAL
Aroclor-1268 [1]	ND	0.95	mg/Kg dry	40		SW-846 8082A	7/30/18	8/1/18 23:48	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/1/18 23:48	
Decachlorobiphenyl [2]		*	30-150		S-01			8/1/18 23:48	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/1/18 23:48	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/1/18 23:48	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-9 (0-0.5)

Sampled: 7/26/2018 15:25

Sample ID: 18G1119-09

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	110	0.58	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 18:40	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-9 (0-0.5)

Sampled: 7/26/2018 15:25

Sample ID: 18G1119-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.2		% Wt	1		SM 2540G	7/31/18	8/1/18 13:36	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-9 (0.5-1.5)

Sampled: 7/26/2018 15:26

Sample ID: 18G1119-10

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 18:47	WAL
Aroclor-1221 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 18:47	WAL
Aroclor-1232 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 18:47	WAL
Aroclor-1242 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 18:47	WAL
Aroclor-1248 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 18:47	WAL
Aroclor-1254 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 18:47	WAL
Aroclor-1260 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 18:47	WAL
Aroclor-1262 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 18:47	WAL
Aroclor-1268 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 18:47	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		105	30-150					8/1/18 18:47	
Decachlorobiphenyl [2]		112	30-150					8/1/18 18:47	
Tetrachloro-m-xylene [1]		89.8	30-150					8/1/18 18:47	
Tetrachloro-m-xylene [2]		106	30-150					8/1/18 18:47	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-9 (0.5-1.5)

Sampled: 7/26/2018 15:26

Sample ID: 18G1119-10

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	3.9	0.51	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 18:46	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-9 (0.5-1.5)

Sampled: 7/26/2018 15:26

Sample ID: 18G1119-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.7		% Wt	1		SM 2540G	7/31/18	8/1/18 13:36	JFC



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-9 (1.5-2.5)

Sampled: 7/26/2018 15:27

Sample ID: 18G1119-11

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.37	mg/Kg dry	16		SW-846 8082A	7/30/18	8/2/18 0:00	WAL
Aroclor-1221 [1]	ND	0.37	mg/Kg dry	16		SW-846 8082A	7/30/18	8/2/18 0:00	WAL
Aroclor-1232 [1]	ND	0.37	mg/Kg dry	16		SW-846 8082A	7/30/18	8/2/18 0:00	WAL
Aroclor-1242 [1]	ND	0.37	mg/Kg dry	16		SW-846 8082A	7/30/18	8/2/18 0:00	WAL
Aroclor-1248 [1]	ND	0.37	mg/Kg dry	16		SW-846 8082A	7/30/18	8/2/18 0:00	WAL
Aroclor-1254 [2]	1.7	0.37	mg/Kg dry	16		SW-846 8082A	7/30/18	8/2/18 0:00	WAL
Aroclor-1260 [1]	ND	0.37	mg/Kg dry	16		SW-846 8082A	7/30/18	8/2/18 0:00	WAL
Aroclor-1262 [1]	ND	0.37	mg/Kg dry	16		SW-846 8082A	7/30/18	8/2/18 0:00	WAL
Aroclor-1268 [1]	ND	0.37	mg/Kg dry	16		SW-846 8082A	7/30/18	8/2/18 0:00	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		96.7	30-150					8/2/18 0:00	
Decachlorobiphenyl [2]		105	30-150					8/2/18 0:00	
Tetrachloro-m-xylene [1]		79.5	30-150					8/2/18 0:00	
Tetrachloro-m-xylene [2]		100	30-150					8/2/18 0:00	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-9 (1.5-2.5)

Sampled: 7/26/2018 15:27

Sample ID: 18G1119-11

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	100	0.58	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 19:20	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-9 (1.5-2.5)

Sampled: 7/26/2018 15:27

Sample ID: 18G1119-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.1		% Wt	1		SM 2540G	7/31/18	8/1/18 13:36	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-9 (2.5-3.5)

Sampled: 7/26/2018 15:28

Sample ID: 18G1119-12

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 19:22	WAL
Aroclor-1221 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 19:22	WAL
Aroclor-1232 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 19:22	WAL
Aroclor-1242 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 19:22	WAL
Aroclor-1248 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 19:22	WAL
Aroclor-1254 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 19:22	WAL
Aroclor-1260 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 19:22	WAL
Aroclor-1262 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 19:22	WAL
Aroclor-1268 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 19:22	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		107	30-150					8/1/18 19:22	
Decachlorobiphenyl [2]		114	30-150					8/1/18 19:22	
Tetrachloro-m-xylene [1]		90.1	30-150					8/1/18 19:22	
Tetrachloro-m-xylene [2]		109	30-150					8/1/18 19:22	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-9 (2.5-3.5)

Sampled: 7/26/2018 15:28

Sample ID: 18G1119-12

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	28	0.65	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 19:25	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-9 (2.5-3.5)

Sampled: 7/26/2018 15:28

Sample ID: 18G1119-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	79.2		% Wt	1		SM 2540G	7/31/18	8/1/18 13:37	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-4 (0.5-1.5)

Sampled: 7/26/2018 14:33

Sample ID: 18G1119-13

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 19:39	WAL
Aroclor-1221 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 19:39	WAL
Aroclor-1232 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 19:39	WAL
Aroclor-1242 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 19:39	WAL
Aroclor-1248 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 19:39	WAL
Aroclor-1254 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 19:39	WAL
Aroclor-1260 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 19:39	WAL
Aroclor-1262 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 19:39	WAL
Aroclor-1268 [1]	ND	0.080	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 19:39	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		108	30-150					8/1/18 19:39	
Decachlorobiphenyl [2]		114	30-150					8/1/18 19:39	
Tetrachloro-m-xylene [1]		92.1	30-150					8/1/18 19:39	
Tetrachloro-m-xylene [2]		108	30-150					8/1/18 19:39	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-4 (0.5-1.5)

Sampled: 7/26/2018 14:33

Sample ID: 18G1119-13

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	12	0.53	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 19:31	QNW



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-4 (0.5-1.5)

Sampled: 7/26/2018 14:33

Sample ID: 18G1119-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.7		% Wt	1		SM 2540G	7/31/18	8/1/18 13:37	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-4 (1.5-2.5)

Sampled: 7/26/2018 14:34

Sample ID: 18G1119-14

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.36	mg/Kg dry	16		SW-846 8082A	7/30/18	8/2/18 0:12	WAL
Aroclor-1221 [1]	ND	0.36	mg/Kg dry	16		SW-846 8082A	7/30/18	8/2/18 0:12	WAL
Aroclor-1232 [1]	ND	0.36	mg/Kg dry	16		SW-846 8082A	7/30/18	8/2/18 0:12	WAL
Aroclor-1242 [1]	ND	0.36	mg/Kg dry	16		SW-846 8082A	7/30/18	8/2/18 0:12	WAL
Aroclor-1248 [1]	ND	0.36	mg/Kg dry	16		SW-846 8082A	7/30/18	8/2/18 0:12	WAL
Aroclor-1254 [2]	2.2	0.36	mg/Kg dry	16		SW-846 8082A	7/30/18	8/2/18 0:12	WAL
Aroclor-1260 [1]	ND	0.36	mg/Kg dry	16		SW-846 8082A	7/30/18	8/2/18 0:12	WAL
Aroclor-1262 [1]	ND	0.36	mg/Kg dry	16		SW-846 8082A	7/30/18	8/2/18 0:12	WAL
Aroclor-1268 [1]	ND	0.36	mg/Kg dry	16		SW-846 8082A	7/30/18	8/2/18 0:12	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		104	30-150					8/2/18 0:12	
Decachlorobiphenyl [2]		113	30-150					8/2/18 0:12	
Tetrachloro-m-xylene [1]		89.4	30-150					8/2/18 0:12	
Tetrachloro-m-xylene [2]		110	30-150					8/2/18 0:12	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-4 (1.5-2.5)

Sampled: 7/26/2018 14:34

Sample ID: 18G1119-14

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	32	0.56	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 19:37	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-4 (1.5-2.5)

Sampled: 7/26/2018 14:34

Sample ID: 18G1119-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.3		% Wt	1		SM 2540G	7/31/18	8/1/18 13:37	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-4 (2.5-3.5)

Sampled: 7/26/2018 14:35

Sample ID: 18G1119-15

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	7/30/18	8/2/18 0:24	WAL
Aroclor-1221 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	7/30/18	8/2/18 0:24	WAL
Aroclor-1232 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	7/30/18	8/2/18 0:24	WAL
Aroclor-1242 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	7/30/18	8/2/18 0:24	WAL
Aroclor-1248 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	7/30/18	8/2/18 0:24	WAL
Aroclor-1254 [2]	8.9	0.86	mg/Kg dry	40		SW-846 8082A	7/30/18	8/2/18 0:24	WAL
Aroclor-1260 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	7/30/18	8/2/18 0:24	WAL
Aroclor-1262 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	7/30/18	8/2/18 0:24	WAL
Aroclor-1268 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	7/30/18	8/2/18 0:24	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		106	30-150					8/2/18 0:24	
Decachlorobiphenyl [2]		118	30-150					8/2/18 0:24	
Tetrachloro-m-xylene [1]		93.9	30-150					8/2/18 0:24	
Tetrachloro-m-xylene [2]		118	30-150					8/2/18 0:24	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-4 (2.5-3.5)

Sampled: 7/26/2018 14:35

Sample ID: 18G1119-15

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	210	0.58	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 19:41	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-4 (2.5-3.5)

Sampled: 7/26/2018 14:35

Sample ID: 18G1119-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.9		% Wt	1		SM 2540G	7/31/18	8/1/18 13:37	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-5 (0-0.5)

Sampled: 7/26/2018 14:55

Sample ID: 18G1119-16

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 20:31	WAL
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 20:31	WAL
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 20:31	WAL
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 20:31	WAL
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 20:31	WAL
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 20:31	WAL
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 20:31	WAL
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 20:31	WAL
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	7/30/18	8/1/18 20:31	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		101	30-150					8/1/18 20:31	
Decachlorobiphenyl [2]		108	30-150					8/1/18 20:31	
Tetrachloro-m-xylene [1]		84.1	30-150					8/1/18 20:31	
Tetrachloro-m-xylene [2]		100	30-150					8/1/18 20:31	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-5 (0-0.5)

Sampled: 7/26/2018 14:55

Sample ID: 18G1119-16

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	6.6	0.57	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 19:48	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-5 (0-0.5)

Sampled: 7/26/2018 14:55

Sample ID: 18G1119-16

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.0		% Wt	1		SM 2540G	7/31/18	8/1/18 13:37	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-5 (0.5-1.5)

Sampled: 7/26/2018 14:56

Sample ID: 18G1119-17

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/30/18	8/2/18 0:37	WAL
Aroclor-1221 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/30/18	8/2/18 0:37	WAL
Aroclor-1232 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/30/18	8/2/18 0:37	WAL
Aroclor-1242 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/30/18	8/2/18 0:37	WAL
Aroclor-1248 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/30/18	8/2/18 0:37	WAL
Aroclor-1254 [2]	2.9	0.41	mg/Kg dry	20		SW-846 8082A	7/30/18	8/2/18 0:37	WAL
Aroclor-1260 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/30/18	8/2/18 0:37	WAL
Aroclor-1262 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/30/18	8/2/18 0:37	WAL
Aroclor-1268 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	7/30/18	8/2/18 0:37	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		101	30-150					8/2/18 0:37	
Decachlorobiphenyl [2]		110	30-150					8/2/18 0:37	
Tetrachloro-m-xylene [1]		84.9	30-150					8/2/18 0:37	
Tetrachloro-m-xylene [2]		107	30-150					8/2/18 0:37	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-5 (0.5-1.5)

Sampled: 7/26/2018 14:56

Sample ID: 18G1119-17

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	38	0.52	mg/Kg dry	1		SW-846 6010D	7/31/18	8/1/18 19:53	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1119

Date Received: 7/26/2018

Field Sample #: B-E-5 (0.5-1.5)

Sampled: 7/26/2018 14:56

Sample ID: 18G1119-17

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.1		% Wt	1		SM 2540G	7/31/18	8/1/18 13:37	JFC

**Sample Extraction Data**

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18G1119-01 [B-E-3 (0-0.5)]	B209151	07/31/18
18G1119-02 [B-E-3 (0.5-1.5)]	B209151	07/31/18
18G1119-03 [B-E-3 (1.5-2.5)]	B209151	07/31/18
18G1119-04 [B-E-3 (2.5-3.5)]	B209151	07/31/18
18G1119-05 [B-E-7 (0-0.5)]	B209151	07/31/18
18G1119-06 [B-E-7 (0.5-1.5)]	B209151	07/31/18
18G1119-07 [B-E-7 (1.5-2.5)]	B209151	07/31/18
18G1119-08 [B-E-7 (2.5-3.5)]	B209151	07/31/18
18G1119-09 [B-E-9 (0-0.5)]	B209151	07/31/18
18G1119-10 [B-E-9 (0.5-1.5)]	B209151	07/31/18
18G1119-11 [B-E-9 (1.5-2.5)]	B209151	07/31/18
18G1119-12 [B-E-9 (2.5-3.5)]	B209151	07/31/18
18G1119-13 [B-E-4 (0.5-1.5)]	B209151	07/31/18
18G1119-14 [B-E-4 (1.5-2.5)]	B209151	07/31/18
18G1119-15 [B-E-4 (2.5-3.5)]	B209151	07/31/18
18G1119-16 [B-E-5 (0-0.5)]	B209151	07/31/18
18G1119-17 [B-E-5 (0.5-1.5)]	B209151	07/31/18

**Prep Method: SW-846 3050B-SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1119-01 [B-E-3 (0-0.5)]	B209144	1.48	50.0	07/31/18
18G1119-02 [B-E-3 (0.5-1.5)]	B209144	1.52	50.0	07/31/18
18G1119-03 [B-E-3 (1.5-2.5)]	B209144	1.56	50.0	07/31/18
18G1119-04 [B-E-3 (2.5-3.5)]	B209144	1.53	50.0	07/31/18
18G1119-05 [B-E-7 (0-0.5)]	B209144	1.55	50.0	07/31/18
18G1119-06 [B-E-7 (0.5-1.5)]	B209144	1.46	50.0	07/31/18
18G1119-07 [B-E-7 (1.5-2.5)]	B209144	1.49	50.0	07/31/18
18G1119-08 [B-E-7 (2.5-3.5)]	B209144	1.49	50.0	07/31/18
18G1119-09 [B-E-9 (0-0.5)]	B209144	1.55	50.0	07/31/18
18G1119-10 [B-E-9 (0.5-1.5)]	B209144	1.53	50.0	07/31/18
18G1119-11 [B-E-9 (1.5-2.5)]	B209144	1.49	50.0	07/31/18
18G1119-12 [B-E-9 (2.5-3.5)]	B209144	1.45	50.0	07/31/18
18G1119-13 [B-E-4 (0.5-1.5)]	B209144	1.46	50.0	07/31/18
18G1119-14 [B-E-4 (1.5-2.5)]	B209144	1.53	50.0	07/31/18
18G1119-15 [B-E-4 (2.5-3.5)]	B209144	1.45	50.0	07/31/18
18G1119-16 [B-E-5 (0-0.5)]	B209144	1.47	50.0	07/31/18
18G1119-17 [B-E-5 (0.5-1.5)]	B209144	1.57	50.0	07/31/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1119-01 [B-E-3 (0-0.5)]	B209014	10.4	10.0	07/30/18
18G1119-02 [B-E-3 (0.5-1.5)]	B209014	10.4	10.0	07/30/18
18G1119-03 [B-E-3 (1.5-2.5)]	B209014	10.2	10.0	07/30/18
18G1119-04 [B-E-3 (2.5-3.5)]	B209014	10.5	10.0	07/30/18
18G1119-05 [B-E-7 (0-0.5)]	B209014	10.1	10.0	07/30/18
18G1119-06 [B-E-7 (0.5-1.5)]	B209014	10.0	10.0	07/30/18
18G1119-07 [B-E-7 (1.5-2.5)]	B209014	10.1	10.0	07/30/18
18G1119-08 [B-E-7 (2.5-3.5)]	B209014	10.4	10.0	07/30/18
18G1119-09 [B-E-9 (0-0.5)]	B209014	10.1	10.0	07/30/18
18G1119-10 [B-E-9 (0.5-1.5)]	B209014	10.2	10.0	07/30/18
18G1119-11 [B-E-9 (1.5-2.5)]	B209014	10.0	10.0	07/30/18

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**Sample Extraction Data****Prep Method: SW-846 3540C-SW-846 8082A**

<b>Lab Number [Field ID]</b>	<b>Batch</b>	<b>Initial [g]</b>	<b>Final [mL]</b>	<b>Date</b>
18G1119-12 [B-E-9 (2.5-3.5)]	B209014	10.3	10.0	07/30/18
18G1119-13 [B-E-4 (0.5-1.5)]	B209014	10.3	10.0	07/30/18
18G1119-14 [B-E-4 (1.5-2.5)]	B209014	10.2	10.0	07/30/18
18G1119-15 [B-E-4 (2.5-3.5)]	B209014	10.3	10.0	07/30/18
18G1119-16 [B-E-5 (0-0.5)]	B209014	10.4	10.0	07/30/18
18G1119-17 [B-E-5 (0.5-1.5)]	B209014	10.6	10.0	07/30/18

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209014 - SW-846 3540C</b>										
<b>Blank (B209014-BLK1)</b>										
Prepared: 07/30/18 Analyzed: 08/01/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.216		mg/Kg wet	0.200		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.228		mg/Kg wet	0.200		114	30-150			
Surrogate: Tetrachloro-m-xylene	0.172		mg/Kg wet	0.200		86.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.195		mg/Kg wet	0.200		97.5	30-150			
<b>LCS (B209014-BS1)</b>										
Prepared: 07/30/18 Analyzed: 08/01/18										
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		82.5	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		93.1	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		81.5	40-140			
Aroclor-1260 [2C]	0.20	0.020	mg/Kg wet	0.200		98.3	40-140			
Surrogate: Decachlorobiphenyl	0.213		mg/Kg wet	0.200		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.227		mg/Kg wet	0.200		114	30-150			
Surrogate: Tetrachloro-m-xylene	0.174		mg/Kg wet	0.200		87.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.199		mg/Kg wet	0.200		99.3	30-150			
<b>LCS Dup (B209014-BSD1)</b>										
Prepared: 07/30/18 Analyzed: 08/01/18										
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		86.5	40-140	4.74	30	
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		98.0	40-140	5.13	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		86.2	40-140	5.58	30	
Aroclor-1260 [2C]	0.21	0.020	mg/Kg wet	0.200		105	40-140	6.47	30	
Surrogate: Decachlorobiphenyl	0.223		mg/Kg wet	0.200		111	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.238		mg/Kg wet	0.200		119	30-150			
Surrogate: Tetrachloro-m-xylene	0.178		mg/Kg wet	0.200		89.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.204		mg/Kg wet	0.200		102	30-150			



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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209014 - SW-846 3540C</b>										
<b>Matrix Spike (B209014-MS1)</b>		<b>Source: 18G1119-01</b>			Prepared: 07/30/18 Analyzed: 08/01/18					
Aroclor-1016	0.22	0.090	mg/Kg dry	0.224	ND	97.4	40-140			
Aroclor-1016 [2C]	0.25	0.090	mg/Kg dry	0.224	ND	109	40-140			
<b>Aroclor-1260</b>	0.32	0.090	mg/Kg dry	0.224	ND	<b>143</b> *	40-140			MS-21
<b>Aroclor-1260 [2C]</b>	0.43	0.090	mg/Kg dry	0.224	ND	<b>194</b> *	40-140			MS-21
Surrogate: Decachlorobiphenyl	0.235		mg/Kg dry	0.224		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.251		mg/Kg dry	0.224		112	30-150			
Surrogate: Tetrachloro-m-xylene	0.195		mg/Kg dry	0.224		86.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.233		mg/Kg dry	0.224		104	30-150			
<b>Matrix Spike Dup (B209014-MSD1)</b>		<b>Source: 18G1119-01</b>			Prepared: 07/30/18 Analyzed: 08/01/18					
Aroclor-1016	0.21	0.085	mg/Kg dry	0.213	ND	98.1	40-140	4.13	50	
Aroclor-1016 [2C]	0.22	0.085	mg/Kg dry	0.213	ND	105	40-140	9.15	50	
Aroclor-1260	0.29	0.085	mg/Kg dry	0.213	ND	137	40-140	9.11	50	
<b>Aroclor-1260 [2C]</b>	0.38	0.085	mg/Kg dry	0.213	ND	<b>179</b> *	40-140	13.1	50	MS-21
Surrogate: Decachlorobiphenyl	0.209		mg/Kg dry	0.213		98.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.222		mg/Kg dry	0.213		104	30-150			
Surrogate: Tetrachloro-m-xylene	0.175		mg/Kg dry	0.213		81.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.206		mg/Kg dry	0.213		96.6	30-150			

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**QUALITY CONTROL**

**Metals Analyses (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209144 - SW-846 3050B</b>										
<b>Blank (B209144-BLK1)</b>					Prepared: 07/31/18 Analyzed: 08/01/18					
Lead	ND	0.50	mg/Kg wet							
<b>LCS (B209144-BS1)</b>					Prepared: 07/31/18 Analyzed: 08/01/18					
Lead	112	1.5	mg/Kg wet	111	101		83-117.1			
<b>LCS Dup (B209144-BSD1)</b>					Prepared: 07/31/18 Analyzed: 08/01/18					
Lead	113	1.5	mg/Kg wet	111	102		83-117.1	1.10	30	
<b>MRL Check (B209144-MRL1)</b>					Prepared: 07/31/18 Analyzed: 08/02/18					
Lead	0.505	0.49	mg/Kg wet	0.492	103		80-120			

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**QUALITY CONTROL**

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209151 - % Solids</b>										
<b>Duplicate (B209151-DUP1)</b>	<b>Source: 18G1119-01</b>			Prepared: 07/31/18 Analyzed: 08/01/18						
% Solids	89.9		% Wt		89.3			0.721	20	
<b>Duplicate (B209151-DUP2)</b>	<b>Source: 18G1119-08</b>			Prepared: 07/31/18 Analyzed: 08/01/18						
% Solids	88.8		% Wt		89.2			0.421	20	

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-E-3 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1119-01 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.0	
	2	0.000	-0.030	0.030	1.3	26.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-E-3 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1119-02 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.56	
	2	0.000	-0.030	0.030	0.67	17.9

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-E-3 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1119-03 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	12	
	2	0.000	-0.030	0.030	14	15.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-E-3 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1119-04 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.95	
	2	0.000	-0.030	0.030	1.2	23.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-E-7 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1119-05 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.96	
	2	0.000	-0.030	0.030	1.1	13.6



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-E-7 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1119-06 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.2	
	2	0.000	-0.030	0.030	2.7	20.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-E-7 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1119-07 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	8.3	
	2	0.000	-0.030	0.030	10	18.6

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-E-7 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1119-08 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	27	
	2	0.000	-0.030	0.030	33	20.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-E-9 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1119-09 Date(s) Analyzed: 08/01/2018 08/01/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	6.5	
	2	0.000	-0.030	0.030	8.2	23.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-E-9 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1119-11 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.4	
	2	0.000	-0.030	0.030	1.7	19.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-E-4 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1119-14 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.7	
	2	0.000	-0.030	0.030	2.2	25.6

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-E-4 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1119-15 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	7.4	
	2	0.000	-0.030	0.030	8.9	18.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-E-5 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1119-17 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.3	
	2	0.000	-0.030	0.030	2.9	18.9



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS

*SW-846 8082A*

Lab Sample ID:                   B209014-BS1                                        Date(s) Analyzed:           08/01/2018                     08/01/2018          

Instrument ID (1):                   ECD10                                        Instrument ID (2):                   ECD10                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.19	11.1
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.20	22.2

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

<b>LCS Dup</b>
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Lab Sample ID:                   B209014-BSD1                                        Date(s) Analyzed:           08/01/2018                     08/01/2018          

Instrument ID (1):                   ECD10                                        Instrument ID (2):                   ECD10                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.20	16.2
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.21	21.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike**

*SW-846 8082A*

Lab Sample ID:                   B209014-MS1                                        Date(s) Analyzed:           08/01/2018                     08/01/2018          

Instrument ID (1):                   ECD10                                        Instrument ID (2):                   ECD10                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.22	
	2	0.000	-0.030	0.030	0.25	12.8
Aroclor-1260	1	0.000	-0.030	0.030	0.32	
	2	0.000	-0.030	0.030	0.43	29.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike Dup**

*SW-846 8082A*

Lab Sample ID:                   B209014-MSD1                                        Date(s) Analyzed:           08/01/2018                     08/01/2018          

Instrument ID (1):                   ECD10                                        Instrument ID (2):                   ECD10                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.22	4.7
Aroclor-1260	1	0.000	-0.030	0.030	0.29	
	2	0.000	-0.030	0.030	0.38	26.9

---

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
O-32	A dilution was performed as part of the standard analytical procedure.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<b>SW-846 6010D in Soil</b>	
Lead	CT,NH,NY,AIHA,ME,VA,NC
<b>SW-846 8082A in Soil</b>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

186-1119  
 Phone: 413-525-2332  
 Fax: 413-525-6405  
 Email: info@contestlabs.com

186-1119  
 Phone: 413-525-2332  
 Fax: 413-525-6405  
 Email: info@contestlabs.com



Company Name: **MEK**  
 Address:  
 Phone:  
 Project Name: **Colony Park**  
 Project Location:  
 Project Number:  
 Project Manager:  
 Con-Test Quote Name/Number:  
 Invoice Recipient:  
 Sampled By:

Doc # 381 Rev 1\_03242017  
 39 Spruce Street  
 East Longmeadow, MA 01028

Page 19 of 19

Con-Test Work Order #	Client Sample ID / Description	Registration Date/Time	Sampling Date/Time	Concentration	Unit	Matrix	Preservation Code	Container Code	Analysis Requested
01	B-E-1 (7.5-9.5)	7/26	1353	1	S	GW	I	Field Filtered	Field Filtered
02	B-E-2 (9.5-11.5)		1354	1	S	GW	I	Field Filtered	Field Filtered
03	B-E-3 (0-0.5)		MIS	1	S	GW	I	Field Filtered	Field Filtered
04	B-E-1 (11.5-13.5)		1356	1	S	GW	I	Field Filtered	Field Filtered
	B-E-2 (13.5-15.5)		1355	1	S	GW	I	Field Filtered	Field Filtered
	B-E-1 (15.5-17.5)		1357	1	S	GW	I	Field Filtered	Field Filtered
	B-E-3 (0.5-1.5)		1416	1	S	GW	I	Field Filtered	Field Filtered
	B-E-3 (1.5-2.5)		1417	1	S	GW	I	Field Filtered	Field Filtered
	B-E-3 (2.5-3.5)		1418	1	S	GW	I	Field Filtered	Field Filtered
	B-E-3 (3.5-5.5)		1419	1	S	GW	I	Field Filtered	Field Filtered

**Comments:** Samples w/ no checked analyses to be held

**Relinquished by:** (signature) Date/Time: 7/26  
**Received by:** (signature) Date/Time: 7/26/18 16:15  
**Relinquished by:** (signature) Date/Time: 7/26/18 19:45  
**Received by:** (signature) Date/Time: 7/26/18 19:45

**Special Requirements:**  
 MA MCP Required:   
 PCB Certification Form Required:   
 CT RCP Required:   
 RCP Certification Form Required:   
 MA State DW Required:   
 PWSID #: \_\_\_\_\_

**Project Entity:**  
 Government:  Municipality:  MWRA:  WRTA:   
 Federal:  21 J:  School:  AIHA-LAP, LLC:   
 City:  Brownfield:  MBTA:  Other:

**Matrix Codes:**  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

**Preservation Codes:**  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

**Container Codes:**  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

**PCB ONLY:**  
 Soxhlet  
 Non Soxhlet



Requested Turnaround Time:  7-Day  10-Day

Due Date: \_\_\_\_\_

Requested Analysis:  1-Day  3-Day   2-Day  4-Day

Requested Data Delivery:  PDF  EXCEL

Other: \_\_\_\_\_

CLP Like Data Pkg Required:

Email To: \_\_\_\_\_

Fax To #: \_\_\_\_\_

# of Containers: \_\_\_\_\_

Preservation Code: \_\_\_\_\_

Container Code: \_\_\_\_\_

**1 Matrix Codes:**  
GW = Ground Water  
WW = Waste Water  
DW = Drinking Water  
A = Air  
S = Soil  
SL = Sludge  
SOL = Solid  
O = Other (please define)

**2 Preservation Codes:**  
I = Iced  
H = HCL  
M = Methanol  
N = Nitric Acid  
S = Sulfuric Acid  
B = Sodium Bisulfate  
X = Sodium Hydroxide  
T = Sodium Trisulfate  
O = Other (please define)

**3 Container Codes:**  
A = Amber Glass  
G = Glass  
P = Plastic  
ST = Sterile  
V = Vial  
S = Summa Canister  
T = Tedlar Bag  
O = Other (please define)

Con-Test Work Order #	Client Sample ID & Description	Priority	Analysis Requested	Requested Turnaround Time	Requested Data Delivery	CLP Like Data Pkg Required	Signature	Date/Time
05	B-E-7 (0.0-0.5)	1508		7/26				
06	B-E-7 (0.5-1.5)	1504						
07	B-E-7 (1.5-2.5)	1505						
08	B-E-7 (2.5-3.5)	1500						
	B-E-7 (3.5-5.5)	1507						
	B-E-7 (5.5-7.5)	1508						
	B-E-7 (7.5-9.5)	1509						
	B-E-7 (9.5-11.5)	1510						
	B-E-7 (11.5-13.5)	1511						
09	B-E-9 (0-0.5)	1515						

Requested Turnaround Time	Requested Data Delivery	CLP Like Data Pkg Required	Signature	Date/Time

**ANALYSIS REQUESTED**

**1 Matrix Codes:**  
GW = Ground Water  
WW = Waste Water  
DW = Drinking Water  
A = Air  
S = Soil  
SL = Sludge  
SOL = Solid  
O = Other (please define)

**2 Preservation Codes:**  
I = Iced  
H = HCL  
M = Methanol  
N = Nitric Acid  
S = Sulfuric Acid  
B = Sodium Bisulfate  
X = Sodium Hydroxide  
T = Sodium Trisulfate  
O = Other (please define)

**3 Container Codes:**  
A = Amber Glass  
G = Glass  
P = Plastic  
ST = Sterile  
V = Vial  
S = Summa Canister  
T = Tedlar Bag  
O = Other (please define)

**PCB ONLY**  
 Soxhlet  
 Non Soxhlet

Please use the following codes to indicate possible sample concentration within the Conc Code column above.  
H - High; M - Medium; L - Low; C - Clean; U - Unknown

**Special Requirements:**  
 MA MCP Required  
 90.3 Certification Form Required  
 CF RCP Required  
 RCP Certification Form Required  
 MA State Bill Required

PO/SP: # \_\_\_\_\_

**Relinquished by (signature):** \_\_\_\_\_ **Date/Time:** 7/26

**Received by (signature):** \_\_\_\_\_ **Date/Time:** 7/26/18 16:15

**Relinquished by (signature):** \_\_\_\_\_ **Date/Time:** 7/14/18 19:45

**Received by (signature):** \_\_\_\_\_ **Date/Time:** 7/26/18 19:45

**Relinquished by (signature):** \_\_\_\_\_ **Date/Time:** \_\_\_\_\_

**Received by (signature):** \_\_\_\_\_ **Date/Time:** \_\_\_\_\_

**Relinquished by (signature):** \_\_\_\_\_ **Date/Time:** \_\_\_\_\_

**Received by (signature):** \_\_\_\_\_ **Date/Time:** \_\_\_\_\_

**Project Entity:**  
 Government  Municipality  MWRA  WRTA  
 Federal  21 J  School  AIMA-LAP, LLC  
 City  Brownfield  MBTA

**Other:**  
 Chromatogram  
 AIMA-LAP, LLC













**con-test**  
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False**

Client W+S  
 Received By SE Date 7/26/18 Time 1945  
 How were the samples received? In Cooler T No Cooler \_\_\_\_\_ On Ice T No Ice \_\_\_\_\_  
 Direct from Sampling \_\_\_\_\_ Ambient \_\_\_\_\_ Melted Ice \_\_\_\_\_  
 Were samples within Temperature? 2-6°C T By Gun # 8 Actual Temp - 3.4, 3.6  
 By Blank # \_\_\_\_\_ Actual Temp - \_\_\_\_\_  
 Was Custody Seal Intact? N/A Were Samples Tampered with? N/A  
 Was COC Relinquished? T Does Chain Agree With Samples? FF\* *SE 7/26/18*  
 Are there broken/leaking/loose caps on any samples? F  
 Is COC in ink/ Legible? T Were samples received within holding time? T  
 Did COC include all pertinent information? Client T Analysis T Sampler Name T  
 Project T ID's T Collection Dates/Times T  
 Are Sample labels filled out and legible? T  
 Are there Lab to Filters? F Who was notified? \_\_\_\_\_  
 Are there Rushes? F Who was notified? \_\_\_\_\_  
 Are there Short Holds? F Who was notified? \_\_\_\_\_  
 Is there enough Volume? T  
 Is there Headspace where applicable? N/A MS/MSD? F  
 Proper Media/Containers Used? T Is splitting samples required? F  
 Were trip blanks received? F On COC? F  
 Do all samples have the proper pH? N/A Acid \_\_\_\_\_ Base \_\_\_\_\_

Viols	#	Containers	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear <i>17</i>
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

**Unused Media**

Viols	#	Containers	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

**Comments:**

\* Samples # 1-6 on page 16 of 19 are on the chain twice.



August 22, 2018

Taylor Smith  
Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960

Project Location: Conway Park., Somerville, MA  
Client Job Number:  
Project Number: [none]  
Laboratory Work Order Number: 18G1120

Enclosed are results of analyses for samples received by the laboratory on July 26, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Meghan E. Kelley". The signature is written in a cursive style with a large, sweeping 'y' at the end.

Meghan E. Kelley  
Project Manager

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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 8/22/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1120

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-K-1 (3.5-5.5)	18G1120-01	Soil		-	
B-K-1 (5.5-7.5)	18G1120-02	Soil		-	
B-K-1 (7.5-9.5)	18G1120-03	Soil		-	
B-K-1 (9.5-11.5)	18G1120-04	Soil		-	
B-K-1 (3.5-5.5)	18G1120-05	Soil		-	
B-K-9 (5.5-7.5)	18G1120-06	Soil		-	
B-K-9 (9.5-11.5)	18G1120-07	Soil		-	
B-I-1 (0-0.5)	18G1120-08	Soil		SM 2540G SW-846 8082A	
B-I-1 (0.5-1.5)	18G1120-09	Soil		SM 2540G SW-846 8082A	
B-I-1 (1.5-2.5)	18G1120-10	Soil		SM 2540G SW-846 8082A	
B-I-1 (2.5-3.5)	18G1120-11	Soil		SM 2540G SW-846 8082A	
B-I-1 (3.5-5.)	18G1120-12	Soil		-	
B-O-11 (3.5-5.)	18G1120-13	Soil		-	
B-O-11 (5.5-7.5)	18G1120-14	Soil		-	
B-O-8 (3.5-5.)	18G1120-15	Soil		-	
B-O-8 (5.5-7.5)	18G1120-16	Soil		-	
B-O-8 (7.5-9.5)	18G1120-17	Soil		-	
B-O-8 (9.5-11.5)	18G1120-18	Soil		-	
B-I-1 (5.5-7.5)	18G1120-19	Soil		-	
B-I-1 (7.5-9.5)	18G1120-20	Soil		-	
B-I-1 (9.5-11.5)	18G1120-21	Soil		-	
B-I-3 (3.5-5.5)	18G1120-22	Soil		-	
B-I-3 (5.5-7.5)	18G1120-23	Soil		-	
B-I-3 (7.5-9.5)	18G1120-24	Soil		-	
B-I-5 (3.5-5.5)	18G1120-25	Soil		-	
B-I-5 (5.5-7.5)	18G1120-26	Soil		-	
B-I-5 (7.5-9.5)	18G1120-27	Soil		-	
B-I-5 (9.5-11.5)	18G1120-28	Soil		-	
B-I-5 (11.5-13.5)	18G1120-29	Soil		-	
B-I-7 (3.5-5.)	18G1120-30	Soil		-	
B-I-7 (5.5-7.5)	18G1120-31	Soil		-	
B-I-9 (3.5-5.5)	18G1120-32	Soil		-	
B-I-9 (5.5-7.5)	18G1120-33	Soil		-	
B-I-9 (7.5-9.5)	18G1120-34	Soil		-	
B-I-9 (9.5-11.5)	18G1120-35	Soil		-	
B-I-9 (11.5-13.5)	18G1120-36	Soil		-	
B-I-9 (13.5-15)	18G1120-37	Soil		-	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 8/22/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1120

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-I-11 (3.5-5.5)	18G1120-38	Soil		-	
B-I-11 (5.5-7.5)	18G1120-39	Soil		-	
B-I-11 (7.5-9.5)	18G1120-40	Soil		-	
B-I-11 (9.5-11.5)	18G1120-41	Soil		-	
B-I-11 (11.5-13.5)	18G1120-42	Soil		-	
B-I-11 (13.5-15)	18G1120-43	Soil		-	
B-G-11 (3.5-5.5)	18G1120-44	Soil		-	
B-G-11 (5.5-7.5)	18G1120-45	Soil		-	
B-G-11 (7.5-9.5)	18G1120-46	Soil		-	
B-G-11 (9.5-11.5)	18G1120-47	Soil		-	
B-G-11 (11.5-13.5)	18G1120-48	Soil		-	
B-G-11 (13.5-15.5)	18G1120-49	Soil		-	
B-G-9 (3.5-5.5)	18G1120-50	Soil		-	
B-G-9 (5.5-7.5)	18G1120-51	Soil		-	
B-G-9 (7.5-9.5)	18G1120-52	Soil		-	
B-G-9 (9.5-11.5)	18G1120-53	Soil		-	
B-G-7 (3.5-5.5)	18G1120-54	Soil		SM 2540G SW-846 8082A	
B-G-7 (5.5-7.5)	18G1120-55	Soil		SM 2540G SW-846 8082A	
B-G-7 (7.5-9.5)	18G1120-56	Soil		-	
B-G-7 (9.5-11.5)	18G1120-57	Soil		-	
B-G-7 (11.5-13.5)	18G1120-58	Soil		-	
B-G-5 (3.5-5.5)	18G1120-59	Soil		SM 2540G SW-846 8082A	
B-G-5 (5.5-7.5)	18G1120-60	Soil		SM 2540G SW-846 8082A	
B-G-5 (7.5-9.5)	18G1120-61	Soil		-	
B-G-5 (9.5-11.5)	18G1120-62	Soil		-	
B-G-5 (11.5-13.5)	18G1120-63	Soil		-	
B-G-3 (3.5-5.5)	18G1120-64	Soil		SM 2540G SW-846 8082A	
B-G-3 (5.5-7.5)	18G1120-65	Soil		SM 2540G SW-846 8082A	
B-G-1 (3.5-5.5)	18G1120-66	Soil		-	
B-G-1 (5.5-7.5)	18G1120-67	Soil		-	
B-E-1 (3.5-5.5)	18G1120-68	Soil		-	
B-E-1 (5.5-7.5)	18G1120-69	Soil		-	
B-E-1 (7.5-9.5)	18G1120-70	Soil		-	
B-E-1 99.5-11.5)	18G1120-71	Soil		-	
B-E-1 (11.5-13.5)	18G1120-72	Soil		-	

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Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 8/22/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1120

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-E-1 (13.5-15.5)	18G1120-73	Soil		-	
B-E-1 (15.5-17.5)	18G1120-74	Soil		-	
B-E-3 (3.5-5.5)	18G1120-75	Soil		SM 2540G SW-846 8082A	
B-E-7 (3.5-5.5)	18G1120-76	Soil		SM 2540G SW-846 8082A	
B-E-7 (5.5-7.5)	18G1120-77	Soil		SM 2540G SW-846 8082A	
B-E-7 (7.5-9.5)	18G1120-78	Soil		-	
B-E-7 (9.7-11.5)	18G1120-79	Soil		-	
B-E-7 (11.5-13.5)	18G1120-80	Soil		-	
B-E-3 (5.5-7.5)	18G1120-81	Soil		SM 2540G SW-846 8082A	
B-E-3 (7.5-9.5)	18G1120-82	Soil		-	
B-E-3 (9.5-11.5)	18G1120-83	Soil		-	
B-E-4 (0-0.5)	18G1120-84	Soil		SM 2540G SW-846 8082A	
B-E-9 (3.5-5.5)	18G1120-85	Soil		-	
BE-9 (5.5-7.5)	18G1120-86	Soil		-	
B-E-9 (7.5-9.5)	18G1120-87	Soil		-	
B-E-5 (5.5-7.5)	18G1120-88	Soil		-	
B-E-5 (7.5-9.5)	18G1120-89	Soil		-	
B-E-5 (9.5-11.5)	18G1120-90	Soil		-	
B-E-5 (11.5-13.5)	18G1120-91	Soil		-	
B-E-4 (3.5-5.)	18G1120-92	Soil		-	
B-E-4 (5.5-7.5)	18G1120-93	Soil		-	
B-E-4 (7.5-9.5)	18G1120-94	Soil		-	
B-E-4 (9.5-11.5)	18G1120-95	Soil		-	
B-E-5 (1.5-2.5)	18G1120-96	Soil		SM 2540G SW-846 8082A	
B-E-5 (2.5-3.5)	18G1120-97	Soil		SM 2540G SW-846 8082A	
B-E-5 (3.5-5.5)	18G1120-98	Soil		-	

## CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082A

**Qualifications:****O-32**

A dilution was performed as part of the standard analytical procedure.

**Analyte & Samples(s) Qualified:**

18G1120-55[B-G-7 (5.5-7.5)], 18G1120-59[B-G-5 (3.5-5.5)], 18G1120-60[B-G-5 (5.5-7.5)]

**S-01**

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**Analyte & Samples(s) Qualified:****Decachlorobiphenyl**

18G1120-08[B-I-1 (0-0.5)], 18G1120-09[B-I-1 (0.5-1.5)], 18G1120-10[B-I-1 (1.5-2.5)], 18G1120-64[B-G-3 (3.5-5.5)], 18G1120-75[B-E-3 (3.5-5.5)], 18G1120-96[B-E-5 (1.5-2.5)]

**Decachlorobiphenyl [2C]**

18G1120-08[B-I-1 (0-0.5)], 18G1120-09[B-I-1 (0.5-1.5)], 18G1120-10[B-I-1 (1.5-2.5)], 18G1120-64[B-G-3 (3.5-5.5)], 18G1120-75[B-E-3 (3.5-5.5)], 18G1120-96[B-E-5 (1.5-2.5)]

**Tetrachloro-m-xylene**

18G1120-08[B-I-1 (0-0.5)], 18G1120-09[B-I-1 (0.5-1.5)], 18G1120-10[B-I-1 (1.5-2.5)], 18G1120-64[B-G-3 (3.5-5.5)], 18G1120-75[B-E-3 (3.5-5.5)], 18G1120-96[B-E-5 (1.5-2.5)]

**Tetrachloro-m-xylene [2C]**

18G1120-08[B-I-1 (0-0.5)], 18G1120-09[B-I-1 (0.5-1.5)], 18G1120-10[B-I-1 (1.5-2.5)], 18G1120-64[B-G-3 (3.5-5.5)], 18G1120-75[B-E-3 (3.5-5.5)], 18G1120-96[B-E-5 (1.5-2.5)]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington  
Project Manager

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-1-1 (0-0.5)

Sampled: 7/26/2018 09:00

Sample ID: 18G1120-08

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 15:51	WAL
Aroclor-1221 [1]	ND	0.99	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 15:51	WAL
Aroclor-1232 [1]	ND	0.99	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 15:51	WAL
Aroclor-1242 [1]	ND	0.99	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 15:51	WAL
Aroclor-1248 [1]	ND	0.99	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 15:51	WAL
Aroclor-1254 [2]	6.9	0.99	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 15:51	WAL
Aroclor-1260 [1]	ND	0.99	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 15:51	WAL
Aroclor-1262 [1]	ND	0.99	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 15:51	WAL
Aroclor-1268 [1]	ND	0.99	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 15:51	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/21/18 15:51	
Decachlorobiphenyl [2]		*	30-150		S-01			8/21/18 15:51	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/21/18 15:51	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/21/18 15:51	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-I-1 (0-0.5)

Sampled: 7/26/2018 09:00

Sample ID: 18G1120-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.8		% Wt	1		SM 2540G	8/7/18	8/8/18 7:27	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-1-1 (0.5-1.5)

Sampled: 7/26/2018 09:01

Sample ID: 18G1120-09

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.98	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 16:09	WAL
Aroclor-1221 [1]	ND	0.98	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 16:09	WAL
Aroclor-1232 [1]	ND	0.98	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 16:09	WAL
Aroclor-1242 [1]	ND	0.98	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 16:09	WAL
Aroclor-1248 [1]	ND	0.98	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 16:09	WAL
Aroclor-1254 [2]	9.8	0.98	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 16:09	WAL
Aroclor-1260 [1]	ND	0.98	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 16:09	WAL
Aroclor-1262 [1]	ND	0.98	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 16:09	WAL
Aroclor-1268 [1]	ND	0.98	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 16:09	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/21/18 16:09	
Decachlorobiphenyl [2]		*	30-150		S-01			8/21/18 16:09	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/21/18 16:09	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/21/18 16:09	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-I-1 (0.5-1.5)

Sampled: 7/26/2018 09:01

Sample ID: 18G1120-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.5		% Wt	1		SM 2540G	8/7/18	8/8/18 7:27	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-I-1 (1.5-2.5)

Sampled: 7/26/2018 09:02

Sample ID: 18G1120-10

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 16:26	WAL
Aroclor-1221 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 16:26	WAL
Aroclor-1232 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 16:26	WAL
Aroclor-1242 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 16:26	WAL
Aroclor-1248 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 16:26	WAL
Aroclor-1254 [2]	8.0	0.92	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 16:26	WAL
Aroclor-1260 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 16:26	WAL
Aroclor-1262 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 16:26	WAL
Aroclor-1268 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 16:26	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/21/18 16:26	
Decachlorobiphenyl [2]		*	30-150		S-01			8/21/18 16:26	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/21/18 16:26	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/21/18 16:26	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-I-1 (1.5-2.5)

Sampled: 7/26/2018 09:02

Sample ID: 18G1120-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.6		% Wt	1		SM 2540G	8/7/18	8/8/18 7:27	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-I-1 (2.5-3.5)

Sampled: 7/26/2018 09:03

Sample ID: 18G1120-11

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/5/18	8/21/18 16:44	WAL
Aroclor-1221 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/5/18	8/21/18 16:44	WAL
Aroclor-1232 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/5/18	8/21/18 16:44	WAL
Aroclor-1242 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/5/18	8/21/18 16:44	WAL
Aroclor-1248 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/5/18	8/21/18 16:44	WAL
Aroclor-1254 [1]	0.24	0.096	mg/Kg dry	4		SW-846 8082A	8/5/18	8/21/18 16:44	WAL
Aroclor-1260 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/5/18	8/21/18 16:44	WAL
Aroclor-1262 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/5/18	8/21/18 16:44	WAL
Aroclor-1268 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/5/18	8/21/18 16:44	WAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	77.7		30-150				8/21/18 16:44		
Decachlorobiphenyl [2]	111		30-150				8/21/18 16:44		
Tetrachloro-m-xylene [1]	75.3		30-150				8/21/18 16:44		
Tetrachloro-m-xylene [2]	75.7		30-150				8/21/18 16:44		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-I-1 (2.5-3.5)

Sampled: 7/26/2018 09:03

Sample ID: 18G1120-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.1		% Wt	1		SM 2540G	8/7/18	8/8/18 7:28	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-7 (3.5-5.5)

Sampled: 7/26/2018 12:39

Sample ID: 18G1120-54

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 4:40	KAL
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 4:40	KAL
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 4:40	KAL
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 4:40	KAL
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 4:40	KAL
Aroclor-1254 [2]	0.30	0.091	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 4:40	KAL
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 4:40	KAL
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 4:40	KAL
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 4:40	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		82.4	30-150					8/11/18 4:40	
Decachlorobiphenyl [2]		90.4	30-150					8/11/18 4:40	
Tetrachloro-m-xylene [1]		89.2	30-150					8/11/18 4:40	
Tetrachloro-m-xylene [2]		91.0	30-150					8/11/18 4:40	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-7 (3.5-5.5)

Sampled: 7/26/2018 12:39

Sample ID: 18G1120-54

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.2		% Wt	1		SM 2540G	8/7/18	8/8/18 7:35	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-7 (5.5-7.5)

Sampled: 7/26/2018 12:40

Sample ID: 18G1120-55

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 4:58	KAL
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 4:58	KAL
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 4:58	KAL
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 4:58	KAL
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 4:58	KAL
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 4:58	KAL
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 4:58	KAL
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 4:58	KAL
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 4:58	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		76.2	30-150					8/11/18 4:58	
Decachlorobiphenyl [2]		86.2	30-150					8/11/18 4:58	
Tetrachloro-m-xylene [1]		79.1	30-150					8/11/18 4:58	
Tetrachloro-m-xylene [2]		80.7	30-150					8/11/18 4:58	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-7 (5.5-7.5)

Sampled: 7/26/2018 12:40

Sample ID: 18G1120-55

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.0		% Wt	1		SM 2540G	8/7/18	8/8/18 7:35	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-5 (3.5-5.5)

Sampled: 7/26/2018 12:59

Sample ID: 18G1120-59

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 5:16	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 5:16	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 5:16	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 5:16	KAL
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 5:16	KAL
Aroclor-1254 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 5:16	KAL
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 5:16	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 5:16	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 5:16	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		77.0	30-150					8/11/18 5:16	
Decachlorobiphenyl [2]		79.9	30-150					8/11/18 5:16	
Tetrachloro-m-xylene [1]		85.7	30-150					8/11/18 5:16	
Tetrachloro-m-xylene [2]		87.2	30-150					8/11/18 5:16	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-5 (3.5-5.5)

Sampled: 7/26/2018 12:59

Sample ID: 18G1120-59

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.3		% Wt	1		SM 2540G	8/7/18	8/8/18 7:36	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-5 (5.5-7.5)

Sampled: 7/26/2018 13:00

Sample ID: 18G1120-60

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 5:33	KAL
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 5:33	KAL
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 5:33	KAL
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 5:33	KAL
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 5:33	KAL
Aroclor-1254 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 5:33	KAL
Aroclor-1260 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 5:33	KAL
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 5:33	KAL
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 5:33	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.5	30-150					8/11/18 5:33	
Decachlorobiphenyl [2]		83.6	30-150					8/11/18 5:33	
Tetrachloro-m-xylene [1]		87.6	30-150					8/11/18 5:33	
Tetrachloro-m-xylene [2]		88.9	30-150					8/11/18 5:33	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-5 (5.5-7.5)

Sampled: 7/26/2018 13:00

Sample ID: 18G1120-60

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.8		% Wt	1		SM 2540G	8/10/18	8/12/18 10:38	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-3 (3.5-5.5)

Sampled: 7/26/2018 13:21

Sample ID: 18G1120-64

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	3600	mg/Kg dry	160000		SW-846 8082A	8/6/18	8/11/18 12:15	KAL
Aroclor-1221 [1]	ND	3600	mg/Kg dry	160000		SW-846 8082A	8/6/18	8/11/18 12:15	KAL
Aroclor-1232 [1]	ND	3600	mg/Kg dry	160000		SW-846 8082A	8/6/18	8/11/18 12:15	KAL
Aroclor-1242 [1]	ND	3600	mg/Kg dry	160000		SW-846 8082A	8/6/18	8/11/18 12:15	KAL
Aroclor-1248 [1]	ND	3600	mg/Kg dry	160000		SW-846 8082A	8/6/18	8/11/18 12:15	KAL
Aroclor-1254 [2]	20000	3600	mg/Kg dry	160000		SW-846 8082A	8/6/18	8/11/18 12:15	KAL
Aroclor-1260 [1]	ND	3600	mg/Kg dry	160000		SW-846 8082A	8/6/18	8/11/18 12:15	KAL
Aroclor-1262 [1]	ND	3600	mg/Kg dry	160000		SW-846 8082A	8/6/18	8/11/18 12:15	KAL
Aroclor-1268 [1]	ND	3600	mg/Kg dry	160000		SW-846 8082A	8/6/18	8/11/18 12:15	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/11/18 12:15	
Decachlorobiphenyl [2]		*	30-150		S-01			8/11/18 12:15	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/11/18 12:15	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/11/18 12:15	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-3 (3.5-5.5)

Sampled: 7/26/2018 13:21

Sample ID: 18G1120-64

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.8		% Wt	1		SM 2540G	8/8/18	8/9/18 8:34	JBL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-3 (5.5-7.5)

Sampled: 7/26/2018 13:22

Sample ID: 18G1120-65

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	8/6/18	8/11/18 10:28	KAL
Aroclor-1221 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	8/6/18	8/11/18 10:28	KAL
Aroclor-1232 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	8/6/18	8/11/18 10:28	KAL
Aroclor-1242 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	8/6/18	8/11/18 10:28	KAL
Aroclor-1248 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	8/6/18	8/11/18 10:28	KAL
Aroclor-1254 [2]	2.5	0.47	mg/Kg dry	20		SW-846 8082A	8/6/18	8/11/18 10:28	KAL
Aroclor-1260 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	8/6/18	8/11/18 10:28	KAL
Aroclor-1262 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	8/6/18	8/11/18 10:28	KAL
Aroclor-1268 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	8/6/18	8/11/18 10:28	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		81.6	30-150					8/11/18 10:28	
Decachlorobiphenyl [2]		81.4	30-150					8/11/18 10:28	
Tetrachloro-m-xylene [1]		83.5	30-150					8/11/18 10:28	
Tetrachloro-m-xylene [2]		82.4	30-150					8/11/18 10:28	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-3 (5.5-7.5)

Sampled: 7/26/2018 13:22

Sample ID: 18G1120-65

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.6		% Wt	1		SM 2540G	8/8/18	8/9/18 8:34	JBL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-3 (3.5-5.5)

Sampled: 7/26/2018 14:19

Sample ID: 18G1120-75

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	8/6/18	8/11/18 12:32	KAL
Aroclor-1221 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	8/6/18	8/11/18 12:32	KAL
Aroclor-1232 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	8/6/18	8/11/18 12:32	KAL
Aroclor-1242 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	8/6/18	8/11/18 12:32	KAL
Aroclor-1248 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	8/6/18	8/11/18 12:32	KAL
Aroclor-1254 [2]	370	45	mg/Kg dry	2000		SW-846 8082A	8/6/18	8/11/18 12:32	KAL
Aroclor-1260 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	8/6/18	8/11/18 12:32	KAL
Aroclor-1262 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	8/6/18	8/11/18 12:32	KAL
Aroclor-1268 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	8/6/18	8/11/18 12:32	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/11/18 12:32	
Decachlorobiphenyl [2]		*	30-150		S-01			8/11/18 12:32	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/11/18 12:32	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/11/18 12:32	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-3 (3.5-5.5)

Sampled: 7/26/2018 14:19

Sample ID: 18G1120-75

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.4		% Wt	1		SM 2540G	8/8/18	8/9/18 8:35	JBL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-7 (3.5-5.5)

Sampled: 7/26/2018 15:07

Sample ID: 18G1120-76

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	8/6/18	8/11/18 11:04	KAL
Aroclor-1221 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	8/6/18	8/11/18 11:04	KAL
Aroclor-1232 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	8/6/18	8/11/18 11:04	KAL
Aroclor-1242 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	8/6/18	8/11/18 11:04	KAL
Aroclor-1248 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	8/6/18	8/11/18 11:04	KAL
Aroclor-1254 [2]	1.8	0.20	mg/Kg dry	8		SW-846 8082A	8/6/18	8/11/18 11:04	KAL
Aroclor-1260 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	8/6/18	8/11/18 11:04	KAL
Aroclor-1262 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	8/6/18	8/11/18 11:04	KAL
Aroclor-1268 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	8/6/18	8/11/18 11:04	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		67.5	30-150					8/11/18 11:04	
Decachlorobiphenyl [2]		71.7	30-150					8/11/18 11:04	
Tetrachloro-m-xylene [1]		76.0	30-150					8/11/18 11:04	
Tetrachloro-m-xylene [2]		75.6	30-150					8/11/18 11:04	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-7 (3.5-5.5)

Sampled: 7/26/2018 15:07

Sample ID: 18G1120-76

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.8		% Wt	1		SM 2540G	8/8/18	8/9/18 8:35	JBL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-7 (5.5-7.5)

Sampled: 7/26/2018 15:08

Sample ID: 18G1120-77

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 11:22	KAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 11:22	KAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 11:22	KAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 11:22	KAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 11:22	KAL
Aroclor-1254 [2]	0.11	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 11:22	KAL
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 11:22	KAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 11:22	KAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 11:22	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	77.7		30-150				8/11/18 11:22		
Decachlorobiphenyl [2]	71.6		30-150				8/11/18 11:22		
Tetrachloro-m-xylene [1]	77.6		30-150				8/11/18 11:22		
Tetrachloro-m-xylene [2]	79.1		30-150				8/11/18 11:22		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-7 (5.5-7.5)

Sampled: 7/26/2018 15:08

Sample ID: 18G1120-77

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.0		% Wt	1		SM 2540G	8/8/18	8/9/18 8:35	JBL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-3 (5.5-7.5)

Sampled: 7/26/2018 14:20

Sample ID: 18G1120-81

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 7:19	KAL
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 7:19	KAL
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 7:19	KAL
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 7:19	KAL
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 7:19	KAL
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 7:19	KAL
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 7:19	KAL
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 7:19	KAL
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 7:19	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		58.3	30-150					8/11/18 7:19	
Decachlorobiphenyl [2]		63.5	30-150					8/11/18 7:19	
Tetrachloro-m-xylene [1]		68.5	30-150					8/11/18 7:19	
Tetrachloro-m-xylene [2]		71.7	30-150					8/11/18 7:19	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-3 (5.5-7.5)

Sampled: 7/26/2018 14:20

Sample ID: 18G1120-81

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.1		% Wt	1		SM 2540G	8/8/18	8/9/18 8:36	JBL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-4 (0-0.5)

Sampled: 7/26/2018 00:00

Sample ID: 18G1120-84

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 7:37	KAL
Aroclor-1221 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 7:37	KAL
Aroclor-1232 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 7:37	KAL
Aroclor-1242 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 7:37	KAL
Aroclor-1248 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 7:37	KAL
Aroclor-1254 [2]	0.083	0.083	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 7:37	KAL
Aroclor-1260 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 7:37	KAL
Aroclor-1262 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 7:37	KAL
Aroclor-1268 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 7:37	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	80.1		30-150				8/11/18 7:37		
Decachlorobiphenyl [2]	80.1		30-150				8/11/18 7:37		
Tetrachloro-m-xylene [1]	66.3		30-150				8/11/18 7:37		
Tetrachloro-m-xylene [2]	66.8		30-150				8/11/18 7:37		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-4 (0-0.5)

Sampled: 7/26/2018 00:00

Sample ID: 18G1120-84

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.4		% Wt	1		SM 2540G	8/8/18	8/9/18 8:36	JBL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-5 (1.5-2.5)

Sampled: 7/26/2018 14:57

Sample ID: 18G1120-96

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/6/18	8/11/18 11:39	KAL
Aroclor-1221 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/6/18	8/11/18 11:39	KAL
Aroclor-1232 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/6/18	8/11/18 11:39	KAL
Aroclor-1242 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/6/18	8/11/18 11:39	KAL
Aroclor-1248 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/6/18	8/11/18 11:39	KAL
Aroclor-1254 [2]	16	1.8	mg/Kg dry	80		SW-846 8082A	8/6/18	8/11/18 11:39	KAL
Aroclor-1260 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/6/18	8/11/18 11:39	KAL
Aroclor-1262 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/6/18	8/11/18 11:39	KAL
Aroclor-1268 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/6/18	8/11/18 11:39	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/11/18 11:39	
Decachlorobiphenyl [2]		*	30-150		S-01			8/11/18 11:39	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/11/18 11:39	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/11/18 11:39	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-5 (1.5-2.5)

Sampled: 7/26/2018 14:57

Sample ID: 18G1120-96

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.5		% Wt	1		SM 2540G	8/8/18	8/9/18 8:38	JBL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-5 (2.5-3.5)

Sampled: 7/26/2018 14:58

Sample ID: 18G1120-97

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/6/18	8/11/18 11:57	KAL
Aroclor-1221 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/6/18	8/11/18 11:57	KAL
Aroclor-1232 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/6/18	8/11/18 11:57	KAL
Aroclor-1242 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/6/18	8/11/18 11:57	KAL
Aroclor-1248 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/6/18	8/11/18 11:57	KAL
Aroclor-1254 [2]	2.8	0.42	mg/Kg dry	20		SW-846 8082A	8/6/18	8/11/18 11:57	KAL
Aroclor-1260 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/6/18	8/11/18 11:57	KAL
Aroclor-1262 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/6/18	8/11/18 11:57	KAL
Aroclor-1268 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/6/18	8/11/18 11:57	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		88.9	30-150					8/11/18 11:57	
Decachlorobiphenyl [2]		90.1	30-150					8/11/18 11:57	
Tetrachloro-m-xylene [1]		89.4	30-150					8/11/18 11:57	
Tetrachloro-m-xylene [2]		88.1	30-150					8/11/18 11:57	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-5 (2.5-3.5)

Sampled: 7/26/2018 14:58

Sample ID: 18G1120-97

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.6		% Wt	1		SM 2540G	8/8/18	8/9/18 8:38	JBL

**Sample Extraction Data**

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18G1120-08 [B-I-1 (0-0.5)]	B209742	08/07/18
18G1120-09 [B-I-1 (0.5-1.5)]	B209742	08/07/18
18G1120-10 [B-I-1 (1.5-2.5)]	B209742	08/07/18
18G1120-11 [B-I-1 (2.5-3.5)]	B209742	08/07/18
18G1120-54 [B-G-7 (3.5-5.5)]	B209742	08/07/18
18G1120-55 [B-G-7 (5.5-7.5)]	B209742	08/07/18
18G1120-59 [B-G-5 (3.5-5.5)]	B209742	08/07/18

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18G1120-64 [B-G-3 (3.5-5.5)]	B209792	08/08/18
18G1120-65 [B-G-3 (5.5-7.5)]	B209792	08/08/18
18G1120-75 [B-E-3 (3.5-5.5)]	B209792	08/08/18
18G1120-76 [B-E-7 (3.5-5.5)]	B209792	08/08/18
18G1120-77 [B-E-7 (5.5-7.5)]	B209792	08/08/18
18G1120-81 [B-E-3 (5.5-7.5)]	B209792	08/08/18
18G1120-84 [B-E-4 (0-0.5)]	B209792	08/08/18
18G1120-96 [B-E-5 (1.5-2.5)]	B209792	08/08/18
18G1120-97 [B-E-5 (2.5-3.5)]	B209792	08/08/18

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18G1120-60 [B-G-5 (5.5-7.5)]	B210054	08/10/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1120-08 [B-I-1 (0-0.5)]	B209562	10.0	10.0	08/05/18
18G1120-09 [B-I-1 (0.5-1.5)]	B209562	10.0	10.0	08/05/18
18G1120-10 [B-I-1 (1.5-2.5)]	B209562	10.0	10.0	08/05/18
18G1120-11 [B-I-1 (2.5-3.5)]	B209562	10.0	10.0	08/05/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1120-54 [B-G-7 (3.5-5.5)]	B209664	10.1	10.0	08/06/18
18G1120-55 [B-G-7 (5.5-7.5)]	B209664	10.7	10.0	08/06/18
18G1120-59 [B-G-5 (3.5-5.5)]	B209664	10.2	10.0	08/06/18
18G1120-60 [B-G-5 (5.5-7.5)]	B209664	10.6	10.0	08/06/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1120-64 [B-G-3 (3.5-5.5)]	B209665	10.0	10.0	08/06/18
18G1120-65 [B-G-3 (5.5-7.5)]	B209665	10.0	10.0	08/06/18
18G1120-75 [B-E-3 (3.5-5.5)]	B209665	10.0	10.0	08/06/18
18G1120-76 [B-E-7 (3.5-5.5)]	B209665	10.0	10.0	08/06/18



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**Sample Extraction Data****Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1120-77 [B-E-7 (5.5-7.5)]	B209665	10.0	10.0	08/06/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1120-81 [B-E-3 (5.5-7.5)]	B209666	10.4	10.0	08/06/18
18G1120-84 [B-E-4 (0-0.5)]	B209666	10.2	10.0	08/06/18
18G1120-96 [B-E-5 (1.5-2.5)]	B209666	10.3	10.0	08/06/18
18G1120-97 [B-E-5 (2.5-3.5)]	B209666	10.8	10.0	08/06/18

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B209562 - SW-846 3540C**

**Blank (B209562-BLK1)**

Prepared: 08/05/18 Analyzed: 08/21/18

Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.193		mg/Kg wet	0.200		96.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.218		mg/Kg wet	0.200		109	30-150			
Surrogate: Tetrachloro-m-xylene	0.189		mg/Kg wet	0.200		94.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.193		mg/Kg wet	0.200		96.7	30-150			

**LCS (B209562-BS1)**

Prepared: 08/05/18 Analyzed: 08/21/18

Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		89.0	40-140			
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		91.0	40-140			
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		89.5	40-140			
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		93.4	40-140			
Surrogate: Decachlorobiphenyl	0.190		mg/Kg wet	0.200		95.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.213		mg/Kg wet	0.200		107	30-150			
Surrogate: Tetrachloro-m-xylene	0.180		mg/Kg wet	0.200		90.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.185		mg/Kg wet	0.200		92.6	30-150			

**LCS Dup (B209562-BSD1)**

Prepared: 08/05/18 Analyzed: 08/21/18

Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		91.6	40-140	2.88	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		88.3	40-140	3.05	30	
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		88.5	40-140	1.14	30	
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		93.3	40-140	0.0664	30	
Surrogate: Decachlorobiphenyl	0.183		mg/Kg wet	0.200		91.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.207		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene	0.181		mg/Kg wet	0.200		90.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.185		mg/Kg wet	0.200		92.6	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209664 - SW-846 3540C</b>										
<b>Blank (B209664-BLK1)</b>										
Prepared: 08/06/18 Analyzed: 08/11/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.182		mg/Kg wet	0.200		91.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.193		mg/Kg wet	0.200		96.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.173		mg/Kg wet	0.200		86.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.182		mg/Kg wet	0.200		91.1	30-150			
<b>LCS (B209664-BS1)</b>										
Prepared: 08/06/18 Analyzed: 08/11/18										
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		84.3	40-140			
Aroclor-1016 [2C]	0.16	0.020	mg/Kg wet	0.200		82.3	40-140			
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		77.3	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		79.9	40-140			
Surrogate: Decachlorobiphenyl	0.174		mg/Kg wet	0.200		86.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.186		mg/Kg wet	0.200		92.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.168		mg/Kg wet	0.200		83.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.175		mg/Kg wet	0.200		87.6	30-150			
<b>LCS Dup (B209664-BSD1)</b>										
Prepared: 08/06/18 Analyzed: 08/11/18										
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		89.8	40-140	6.28	30	
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		87.2	40-140	5.74	30	
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		81.1	40-140	4.83	30	
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		83.8	40-140	4.77	30	
Surrogate: Decachlorobiphenyl	0.185		mg/Kg wet	0.200		92.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.197		mg/Kg wet	0.200		98.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.180		mg/Kg wet	0.200		90.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.189		mg/Kg wet	0.200		94.4	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209665 - SW-846 3540C</b>										
<b>Blank (B209665-BLK1)</b>										
Prepared: 08/06/18 Analyzed: 08/11/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.171		mg/Kg wet	0.200		85.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.182		mg/Kg wet	0.200		90.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.170		mg/Kg wet	0.200		84.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.178		mg/Kg wet	0.200		89.1	30-150			
<b>LCS (B209665-BS1)</b>										
Prepared: 08/06/18 Analyzed: 08/11/18										
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		79.2	40-140			
Aroclor-1016 [2C]	0.16	0.020	mg/Kg wet	0.200		78.8	40-140			
Aroclor-1260	0.14	0.020	mg/Kg wet	0.200		71.7	40-140			
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		73.1	40-140			
Surrogate: Decachlorobiphenyl	0.163		mg/Kg wet	0.200		81.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.174		mg/Kg wet	0.200		86.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.162		mg/Kg wet	0.200		80.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.170		mg/Kg wet	0.200		84.8	30-150			
<b>LCS Dup (B209665-BSD1)</b>										
Prepared: 08/06/18 Analyzed: 08/11/18										
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		87.3	40-140	9.75	30	
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		85.0	40-140	7.53	30	
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		78.7	40-140	9.31	30	
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		80.6	40-140	9.73	30	
Surrogate: Decachlorobiphenyl	0.181		mg/Kg wet	0.200		90.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.193		mg/Kg wet	0.200		96.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.181		mg/Kg wet	0.200		90.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.190		mg/Kg wet	0.200		94.8	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209666 - SW-846 3540C</b>										
<b>Blank (B209666-BLK1)</b>										
Prepared: 08/06/18 Analyzed: 08/11/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.176		mg/Kg wet	0.200		87.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.187		mg/Kg wet	0.200		93.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.184		mg/Kg wet	0.200		91.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.192		mg/Kg wet	0.200		96.1	30-150			
<b>LCS (B209666-BS1)</b>										
Prepared: 08/06/18 Analyzed: 08/11/18										
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		87.3	40-140			
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		86.2	40-140			
Aroclor-1260	0.21	0.020	mg/Kg wet	0.200		106	40-140			
Aroclor-1260 [2C]	0.22	0.020	mg/Kg wet	0.200		112	40-140			
Surrogate: Decachlorobiphenyl	0.181		mg/Kg wet	0.200		90.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.193		mg/Kg wet	0.200		96.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.172		mg/Kg wet	0.200		85.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.180		mg/Kg wet	0.200		90.2	30-150			
<b>LCS Dup (B209666-BSD1)</b>										
Prepared: 08/06/18 Analyzed: 08/11/18										
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		88.5	40-140	1.38	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		88.3	40-140	2.34	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		82.8	40-140	24.9	30	
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		84.2	40-140	28.7	30	
Surrogate: Decachlorobiphenyl	0.188		mg/Kg wet	0.200		94.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.200		mg/Kg wet	0.200		100	30-150			
Surrogate: Tetrachloro-m-xylene	0.178		mg/Kg wet	0.200		89.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.187		mg/Kg wet	0.200		93.5	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B209666 - SW-846 3540C**

**Matrix Spike (B209666-MS1)**

**Source: 18G1120-81**

Prepared: 08/06/18 Analyzed: 08/11/18

Aroclor-1016	0.15	0.090	mg/Kg dry	0.225	ND	67.9	40-140			
Aroclor-1016 [2C]	0.15	0.090	mg/Kg dry	0.225	ND	68.1	40-140			
Aroclor-1260	0.11	0.090	mg/Kg dry	0.225	ND	51.1	40-140			
Aroclor-1260 [2C]	0.13	0.090	mg/Kg dry	0.225	ND	58.4	40-140			
Surrogate: Decachlorobiphenyl	0.126		mg/Kg dry	0.225		56.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.135		mg/Kg dry	0.225		60.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.155		mg/Kg dry	0.225		69.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.162		mg/Kg dry	0.225		72.3	30-150			

**Matrix Spike Dup (B209666-MSD1)**

**Source: 18G1120-81**

Prepared: 08/06/18 Analyzed: 08/11/18

Aroclor-1016	0.15	0.089	mg/Kg dry	0.222	ND	66.4	40-140	3.31	50	
Aroclor-1016 [2C]	0.15	0.089	mg/Kg dry	0.222	ND	65.3	40-140	5.19	50	
Aroclor-1260	0.11	0.089	mg/Kg dry	0.222	ND	50.8	40-140	1.50	50	
Aroclor-1260 [2C]	0.13	0.089	mg/Kg dry	0.222	ND	57.2	40-140	3.01	50	
Surrogate: Decachlorobiphenyl	0.127		mg/Kg dry	0.222		57.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.138		mg/Kg dry	0.222		62.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.159		mg/Kg dry	0.222		71.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.165		mg/Kg dry	0.222		74.3	30-150			

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**QUALITY CONTROL**

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209742 - % Solids</b>										
<b>Duplicate (B209742-DUP1)</b>	<b>Source: 18G1120-01</b>		Prepared: 08/07/18 Analyzed: 08/08/18							
% Solids	83.4		% Wt		83.3			0.0161	20	
<b>Duplicate (B209742-DUP2)</b>	<b>Source: 18G1120-02</b>		Prepared: 08/07/18 Analyzed: 08/08/18							
% Solids	88.1		% Wt		88.1			0.0751	20	
<b>Duplicate (B209742-DUP3)</b>	<b>Source: 18G1120-03</b>		Prepared: 08/07/18 Analyzed: 08/08/18							
% Solids	85.0		% Wt		84.7			0.451	20	
<b>Duplicate (B209742-DUP4)</b>	<b>Source: 18G1120-04</b>		Prepared: 08/07/18 Analyzed: 08/08/18							
% Solids	93.2		% Wt		93.3			0.0475	20	
<b>Duplicate (B209742-DUP5)</b>	<b>Source: 18G1120-05</b>		Prepared: 08/07/18 Analyzed: 08/08/18							
% Solids	86.8		% Wt		88.7			2.19	20	
<b>Duplicate (B209742-DUP6)</b>	<b>Source: 18G1120-06</b>		Prepared: 08/07/18 Analyzed: 08/08/18							
% Solids	89.2		% Wt		88.8			0.428	20	
<b>Batch B209792 - % Solids</b>										
<b>Duplicate (B209792-DUP1)</b>	<b>Source: 18G1120-70</b>		Prepared: 08/08/18 Analyzed: 08/09/18							
% Solids	85.9		% Wt		83.6			2.74	20	
<b>Duplicate (B209792-DUP2)</b>	<b>Source: 18G1120-80</b>		Prepared: 08/08/18 Analyzed: 08/09/18							
% Solids	75.6		% Wt		74.9			0.964	20	
<b>Duplicate (B209792-DUP3)</b>	<b>Source: 18G1120-90</b>		Prepared: 08/08/18 Analyzed: 08/09/18							
% Solids	59.1		% Wt		63.5			7.25	20	

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-1 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-08 Date(s) Analyzed: 08/21/2018 08/21/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	6.2	
	2	0.000	-0.030	0.030	6.9	10.7



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-1 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-09 Date(s) Analyzed: 08/21/2018 08/21/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	9.0	
	2	0.000	-0.030	0.030	9.8	7.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-1 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-10 Date(s) Analyzed: 08/21/2018 08/21/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	7.5	
	2	0.000	-0.030	0.030	8.0	6.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-1 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-11 Date(s) Analyzed: 08/21/2018 08/21/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.24	
	2	0.000	-0.030	0.030	0.22	8.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-G-7 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-54 Date(s) Analyzed: 08/11/2018 08/11/2018

Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.26	
	2	0.000	-0.030	0.030	0.30	14.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-G-3 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-64 Date(s) Analyzed: 08/11/2018 08/11/2018

Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	19000	
	2	0.000	-0.030	0.030	20000	5.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-G-3 (5.5-7.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-65 Date(s) Analyzed: 08/11/2018 08/11/2018

Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.4	
	2	0.000	-0.030	0.030	2.5	4.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-E-3 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-75 Date(s) Analyzed: 08/11/2018 08/11/2018

Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	370	
	2	0.000	-0.030	0.030	370	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-E-7 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-76 Date(s) Analyzed: 08/11/2018 08/11/2018

Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.6	
	2	0.000	-0.030	0.030	1.8	11.8



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-E-7 (5.5-7.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-77 Date(s) Analyzed: 08/11/2018 08/11/2018

Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.11	
	2	0.000	-0.030	0.030	0.11	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-E-5 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-96 Date(s) Analyzed: 08/11/2018 08/11/2018

Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	15	
	2	0.000	-0.030	0.030	16	6.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-E-5 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-97 Date(s) Analyzed: 08/11/2018 08/11/2018

Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.7	
	2	0.000	-0.030	0.030	2.8	3.6

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

LCS
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Lab Sample ID: B209562-BS1 Date(s) Analyzed: 08/21/2018 08/21/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.18	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.19	5.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**LCS Dup**

*SW-846 8082A*

Lab Sample ID:                   B209562-BSD1                                        Date(s) Analyzed:           08/21/2018                     08/21/2018          

Instrument ID (1):                   ECD 9                                        Instrument ID (2):                   ECD 9                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.18	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.19	5.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

<b>LCS</b>
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*SW-846 8082A*

Lab Sample ID:                     B209664-BS1                                          Date(s) Analyzed:           08/11/2018                     08/11/2018          

Instrument ID (1):                     ECD4                                          Instrument ID (2):                     ECD4                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.16	6.1
Aroclor-1260	1	0.000	-0.030	0.030	0.15	
	2	0.000	-0.030	0.030	0.16	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

*SW-846 8082A*

Lab Sample ID:                     B209664-BSD1                                          Date(s) Analyzed:           08/11/2018                     08/11/2018          

Instrument ID (1):                     ECD4                                          Instrument ID (2):                     ECD4                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.17	5.7
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.17	6.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS
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*SW-846 8082A*

Lab Sample ID:                     B209665-BS1                                          Date(s) Analyzed:           08/11/2018                     08/11/2018          

Instrument ID (1):                     ECD4                                          Instrument ID (2):                     ECD4                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.16	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.14	
	2	0.000	-0.030	0.030	0.15	6.9



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

*SW-846 8082A*

Lab Sample ID:                     B209665-BSD1                                          Date(s) Analyzed:           08/11/2018                     08/11/2018          

Instrument ID (1):                     ECD4                                          Instrument ID (2):                     ECD4                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.17	5.7
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.16	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

<b>LCS</b>
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*SW-846 8082A*

Lab Sample ID:                     B209666-BS1                                          Date(s) Analyzed:           08/11/2018                     08/11/2018          

Instrument ID (1):                     ECD4                                          Instrument ID (2):                     ECD4                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.17	5.7
Aroclor-1260	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.22	4.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

<b>LCS Dup</b>
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Lab Sample ID:                   B209666-BSD1                                        Date(s) Analyzed:           08/11/2018                     08/11/2018          

Instrument ID (1):                   ECD4                                        Instrument ID (2):                   ECD4                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.18	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.17	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike**

*SW-846 8082A*

Lab Sample ID:                   B209666-MS1                                        Date(s) Analyzed:           08/11/2018                     08/11/2018          

Instrument ID (1):                   ECD4                                        Instrument ID (2):                   ECD4                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.15	
	2	0.000	-0.030	0.030	0.15	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.11	
	2	0.000	-0.030	0.030	0.13	8.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike Dup**

*SW-846 8082A*

Lab Sample ID:                     B209666-MSD1                                          Date(s) Analyzed:           08/11/2018                     08/11/2018          

Instrument ID (1):                     ECD4                                          Instrument ID (2):                     ECD4                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.15	
	2	0.000	-0.030	0.030	0.15	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.11	
	2	0.000	-0.030	0.030	0.13	16.7

---

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
O-32	A dilution was performed as part of the standard analytical procedure.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<i>SW-846 8082A in Soil</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019



186-1120  
 Phone: 413-525-2332  
 Fax: 413-525-6405  
 Email: info@contestlabs.com

http://www.contestlabs.com

Doc # 381 Rev 1\_03242017

CHAIN OF CUSTODY RECORD

39 Spruce Street  
 East Longmeadow, MA 01028

Page 1 of 19

Company Name: Wagon + Sampson  
 Address: Scovenville dr.  
 Phone: 800 Sampson  
 Project Name: Lowway Park  
 Project Location: Scovenville  
 Project Number:  
 Project Manager: Joe Spencer  
 Con-Test Quote Name/Number:  
 Invoice Recipient: Taylor Smith  
 Sampled By: "

**Requested Turnaround Time**  
 7-Day  10-Day   
 Due Date: 5 day

**Rush-Approval Required**  
 1-Day  3-Day   
 2-Day  4-Day

**Data Delivery**  
 Format: PDF  EXCEL   
 Other:  
 CLP Like Data Pkg Required:   
 Email To: Smith T@USEIA.com  
 Fax To #:

ANALYSIS REQUESTED

# of Containers  
 2 Preservation Code  
 3 Container Code

**Dissolved Metals Samples**  
 Field Filtered  
 Lab to Filter

**Orthophosphate Samples**  
 Field Filtered  
 Lab to Filter

Con-Test Work Order #	Sample ID	Date	Time	Location	Matrix	Preservation	Container	Analysis
	B-K-1 (0-0.5)	7/25	1400		S	U		
	B-K-1 (0.5-1.5)	"	1401		S	U		
	B-K-2 (1.5-2.5)	"	1402		S	U		
	B-K-2 (2.5-3.5)	"	1403		S	U		
01	B-K-2 (3.5-5.5)	"	1404		S	U		
02	B-K-2 (5.5-7.5)	"	1405		S	U		
03	B-K-2 (7.5-9.5)	"	1406		S	U		
04	B-K-2 (9.5-11.5)	"	1407		S	U		
	B-K-1 (0-0.5)	"	1345		S	U		
	B-K-1 (0.5-1.5)	"	1346		S	U		

PCBs (Soxhlet)  
 Lead

Comments: Samples w/ no checkoe analyses to be held

Please use the following codes to indicate possible sample concentration  
 Code column above:  
 Low: C - Clean; U - Unknown

Activate per attached email - MEK  
 8/9/2018

Retinquished by: (signature) [Signature] Date/Time: 7/26/15 1615  
 Received by: (signature) [Signature] Date/Time: 7/26/15 1945  
 Relinquished by: (signature) [Signature] Date/Time: 7/26/15 1945  
 Received by: (signature) [Signature] Date/Time: 7/26/18 1945  
 Relinquished by: (signature) [Signature] Date/Time:  
 Received by: (signature) [Signature] Date/Time:

**Detection Limit Requirements**  
 MA S-1

**Special Requirements**  
 MA MCP Required  
 MCP Certification Form Required  
 CT RCP Required  
 RCP Certification Form Required  
 MA State DW Required  
 Other: PWSID #



**Project Entity**  
 Government  Municipality  MWRA  WRTA  
 Federal  21 J  School  
 City  Brownfield  MBTA

**Other**  
 Chromatogram  
 AIHA-LAP, LLC

- 1 Matrix Codes:**  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)
- 2 Preservation Codes:**  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)
- 3 Container Codes:**  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

**PCB ONLY**  
 Soxhlet  
 Non Soxhlet



186/120  
Phone: 413-525-2332  
Fax: 413-525-6405  
Email: info@contestlabs.com



Company Name: **MEK**

Address: \_\_\_\_\_

Phone: \_\_\_\_\_

Project Name: **Conway Park**

Project Location: \_\_\_\_\_

Project Number: \_\_\_\_\_

Project Manager: \_\_\_\_\_

Con-Test Quote Name/Number: \_\_\_\_\_

Invoice Recipient: \_\_\_\_\_

Sampled By: \_\_\_\_\_

Requested Turnaround Time:  7-Day  10-Day

Due Date: \_\_\_\_\_

Fast-Track Approval Required:  1-Day  3-Day  2-Day  4-Day

Data Delivery:  PDF  EXCEL  Other: \_\_\_\_\_

CLP Like Data Pkg Required:

Email To: \_\_\_\_\_

Fax To #: \_\_\_\_\_

Con-Test Mark Order	Client Sample ID	Concentration	Analysis Requested	Matrix Code	Preservation Code	Container Code
B-K-1 (1.5-2.5)	7/25	1347	S	GW		
B-K-2 (2.5-3.5)	"	1348	U	WM		
B-K-3 (3.5-5.5)	"	1349	U	DW		
B-K-4 (5.5-7.5)	"	1350	U	A		
B-K-4 (7.5-11.5)	"	1351	U	S		
B-I-1 (0-0.5)	7/26	9:00		SL		
B-I-1 (0.5-1.5)	"	9:01		SOL		
B-I-1 (1.5-3.5)	"	9:02		O		
B-I-1 (3.5-5.5)	"	9:03				
B-I-1 (3.5-5.5)	"	9:04				

Samples w/ NO checked analyses to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
H - High; M - Medium; L - Low; C - Clean; U - Unknown

1 Matrix Codes:  
GW = Ground Water  
WM = Waste Water  
DW = Drinking Water  
A = Air  
S = Soil  
SL = Sludge  
SOL = Solid  
O = Other (please define)

2 Preservation Codes:  
I = Iced  
H = HCL  
M = Methanol  
N = Nitric Acid  
S = Sulfuric Acid  
B = Sodium Bisulfate  
X = Sodium Hydroxide  
T = Sodium Thiophosphate  
O = Other (please define)

3 Container Codes:  
A = Amber Glass  
G = Glass  
P = Plastic  
ST = Sterile  
V = Vial  
S = Summa Canister  
T = Tedlar Bag  
O = Other (please define)

PCB ONLY  
 Soxhlet  
 Non Soxhlet

Special Requirements:  
 MA MCP Required  
 MCP Certification Form Required  
 CT RCP Required  
 RCP Certification Form Required  
 MA State DW Required

IPWSID # \_\_\_\_\_

Project Entity:  
 Government  
 Federal  
 City  
 Municipality  
 21 J  
 Brownfield  
 MWRA  
 School  
 MBTA  
 WRTA  
 AHA-LAP, LLC  
Other \_\_\_\_\_

Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/26 16:15

Received by: (signature) \_\_\_\_\_ Date/Time: 7/26/18 16:15

Relinquished by: (signature) \_\_\_\_\_ Date/Time: 8/26/18 14:45

Received by: (signature) \_\_\_\_\_ Date/Time: 7/26/18 19:45

Relinquished by: (signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Received by: (signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Relinquished by: (signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Received by: (signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_



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 39 Spruce Street  
 East Longmeadow, MA 01028

Phone: 413-525-2332  
 Fax: 413-525-6405  
 Email: info@contestlabs.com



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Page 3 of 19

Company Name: **CONWAY**

Address: \_\_\_\_\_

Phone: \_\_\_\_\_

Project Name: \_\_\_\_\_

Project Location: \_\_\_\_\_

Project Number: \_\_\_\_\_

Project Manager: \_\_\_\_\_

Con-Test Quote Name/Number: \_\_\_\_\_

Invoice Recipient: \_\_\_\_\_

Sampled By: \_\_\_\_\_

Client Name/Address: \_\_\_\_\_

Con-Test Work Order: \_\_\_\_\_

Requested Turnaround Time:  7-Day  10-Day

Due Date: \_\_\_\_\_

RUSH-Approval Required:  1-Day  3-Day

2-Day  4-Day

Data Delivered:  PDF  EXCEL

Other: \_\_\_\_\_

CLP Like Data Pkg Required:

Email To: \_\_\_\_\_

Fax To #: \_\_\_\_\_

Con-Test Work Order	Client Name/Address	Date/Time	Detection Limit Requirements	Special Requirements	MA MCP Required	MCP Certification Form Required	CT RCP Required	RCP Certification Form Required	MA State DMW Required	PWSID #	Project Entity
13	B0-11 (3.5-5.5)	7/24/14 14:19	S								
14	B0-11 (5.5-7.5)	7/24/14 14:20	V								
	B0-8 (0-0.5)	7/24/14 13:05									
	B0-8 (0.5-1.5)	7/24/14 13:06									
	B0-8 (1.5-2.5)	7/24/14 13:07									
	B0-8 (2.5-3.5)	7/24/14 13:08									
15	B0-8 (3.5-5.5)	7/24/14 13:09									
16	B0-8 (5.5-7.5)	7/24/14 13:10									
17	B0-8 (7.5-9.5)	7/24/14 13:11									
18	B0-8 (9.5-11.5)	7/24/14 13:12									

Comments: **Samples w/ no checked analyses to be held**

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

1 Matrix Codes:  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

2 Preservation Codes:  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

3 Container Codes:  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

PCB ONLY  
 Soxhlet  
 Non Soxhlet

Project Entity:  
 Government  
 Federal  
 City  
 Municipality  
 21 J  
 Brownfield  
 MWRA  
 School  
 MBTA  
 WRTA  
 Chromatogram  
 AIHA-LAP, LLC  
 Other \_\_\_\_\_

con-test ANALYTICAL LABORATORY www.con-test-labs.com

Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/24/14

Received by: (signature) \_\_\_\_\_ Date/Time: 7/26/14 16:15

Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/26/14 19:45

Received by: (signature) \_\_\_\_\_ Date/Time: 7/26/14 19:45

Inquired by: (signature) \_\_\_\_\_ Date/Time: 3.4.3.6

Received by: (signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

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Doc # 381 Rev 1\_03242017  
39 Spruce Street  
East Longmeadow, MA 01028

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CHAIN OF CUSTODY RECORD

1861120  
Phone: 413-525-2332  
Fax: 413-525-6405  
Email: info@contestlabs.com



Company Name: **MEK**  
Address:  
Phone:  
Project Name: **(Conway Park)**  
Project Location:  
Project Number:  
Project Manager:  
Con-Test Quote Name/Number:  
Invoice Recipient:  
Sampled By:

Requested Turnaround Time:  
7-Day  10-Day   
Due Date:  
Rush Approval Requested:  
1-Day  3-Day   
2-Day  4-Day   
Data Delivery:  
Format: PDF  EXCEL   
Other:  
CLP Like Data Pkg Required:   
Email To:  
Fax To #:

# of Containers	Preservation Code	Container Code
<b>ANALYSIS REQUESTED</b>		
<input type="radio"/> Field Filtered		
<input type="radio"/> Lab to Filter		
<b>Matrix Codes:</b>		
GW = Ground Water		
WW = Waste Water		
DW = Drinking Water		
A = Air		
S = Soil		
SL = Sludge		
SOL = Solid		
O = Other (please define)		
<b>Preservation Codes:</b>		
I = Iced		
H = HCL		
M = Methanol		
N = Nitric Acid		
S = Sulfuric Acid		
B = Sodium Bisulfate		
X = Sodium Hydroxide		
T = Sodium Thiosulfate		
O = Other (please define)		
<b>Container Codes:</b>		
A = Amber Glass		
G = Glass		
P = Plastic		
ST = Sterile		
V = Vial		
S = Summa Canister		
T = Tedlar Bag		
O = Other (please define)		
<b>PCB ONLY</b>		
<input type="checkbox"/> Soxhlet		
<input type="checkbox"/> Non Soxhlet		

Con-Test Work Order	Other Sample ID / Description	Collection Date	Time	Matrix	Preservation	Container	Analysis Requested
19	B-I-1 (5.5-7.5)	7/26	9:05	S	U		
20	B-I-1 (7.5-9.5)		9:06				
21	B-I-1 (9.5-11.5)		9:07				
22	B-I-3 (0-0.5)		9:35				
23	B-I-3 (0.5-1.5)		9:36				
24	B-I-3 (1.5-2.5)		9:37				
25	B-I-3 (2.5-3.5)		9:38				
26	B-I-3 (3.5-5.5)		9:39				
27	B-I-3 (5.5-7.5)		9:40				
28	B-I-3 (7.5-9.5)		9:41				

Comments: **Samples w/ no checked analyses to be held**

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
H - High; M - Medium; L - Low; C - Clean; U - Unknown

**Relinquished by (signature):** [Signature] Date/Time: 7/26

**Received by (signature):** [Signature] Date/Time: 7/26 18

**Relinquished by (signature):** [Signature] Date/Time: 7/26 18

**Received by (signature):** [Signature] Date/Time: 7/26 18

**Relinquished by (signature):** [Signature] Date/Time: 7/26 18

**Received by (signature):** [Signature] Date/Time: 7/26 18

**Detection Limit Requirements:**

MA:  MA MCP Required

MA:  MCP Certification Form Required

CT:  CT RCP Required

CT:  RCP Certification Form Required

Other:  MA State DMW Required

PMSID #

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**Project Entity:**

Government  Municipality  MWRA  WRTA  Other

Federal  21 J  School  AHA-LAP, LLC

City  Brownfield  MBTA

**Other:**

Chromatogram

Soxhlet

Non Soxhlet



186-1120  
Phone: 413-525-2332  
Fax: 413-525-6405  
Email: info@contestlabs.com



**Company Name:** MEK  
**Address:**  
**Phone:** 409  
**Project Name:**  
**Project Location:**  
**Project Number:**  
**Project Manager:**  
**Con-Test Quote Name/Number:**  
**Invoice Recipient:**  
**Sampled By:**

**Requested Turnaround Time**  
 7-Day  10-Day   
**Due Date:**  
**Rush Approval Required**  
 1-Day  3-Day   
 2-Day  4-Day   
**Data Delivery**  
 Format: PDF  EXCEL   
 Other:   
 CLP Like Data Pkg Required:   
 Email To:   
 Fax To #:

Con-Test Worksheet	Client Sample Description	Conc. Code	Time	Analysis Requested	Preservation Code	# of Containers
30	B-I-7 (0.5-1.5)	S	10:16	PCBs (Soxhlet)		
31	B-I-7 (1.5-2.5)	U	10:17			
	B-I-7 (2.5-3.5)		10:18			
	B-I-7 (3.5-5.5)		10:19			
	B-I-7 (5.5-7.5)		10:20			
	B-I-9 (0-0.5)		11:30			
	B-I-9 (0.5-1.5)		11:31			
	B-I-9 (1.5-2.5)		11:32			
	B-I-9 (2.5-3.5)		11:33			
	B-I-9 (3.5-5.5)		11:34			

**Matrix Codes:**  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

**Preservation Codes:**  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

**Container Codes:**  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Surima Carister  
 T = Tedlar Bag  
 O = Other (please define)

**PCB ONLY**  
 Soxhlet  
 Non Soxhlet

**Special Requirements:**  
 MA MCP Required   
 MCP Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 MA State DMF Required   
 PWSID #

**Detection Limit Requirements:**  
 MA   
 CT   
 Other

**Project Entity:**  
 Government  
 Federal  
 City  
 Municipality  
 21 J  
 Brownfield  
 WRTA  
 MWRA  
 School  
 MBTA  
 Chromatogram  
 AJHA-LAP, LLC  
 Other

**Comments:**  
 Samples w/ no analyses checked to be held

**Relinquished by (signature):** [Signature] Date/Time: 7/26  
**Received by (signature):** [Signature] Date/Time: 7/26/08 1615  
**Relinquished by (signature):** [Signature] Date/Time: 7/26/08 1945  
**Received by (signature):** [Signature] Date/Time: 7/26/08 1945  
**Relinquished by (signature):** [Signature] Date/Time: 7/26/08 1945  
**Received by (signature):** [Signature] Date/Time: 7/26/08 1945

**con-test ANALYTICAL LABORATORY**  
 www.contestlabs.com

http://www.contestlabs.com  
CHAIN OF CUSTODY RECORD  
186-1120  
Phone: 413-525-2332  
Fax: 413-525-6405  
Email: info@contestlabs.com

Doc # 381 Rev 1\_03242017

39 Spruce Street  
East Longmeadow, MA 01028

Page 7 of 19



Company Name: **MEK**  
 Address:   
 Phone: **(0106) 921-15**  
 Project Name: **(0106) 921-15**  
 Project Location:   
 Project Number:   
 Project Manager:   
 Con-Test Quote Name/Number:   
 Invoice Recipient:   
 Sampled By:   
 Con-Test Work Order #

Con-Test Work Order #	Con-Test Sample ID	Sample Date/Time	Analysis Requested	Matrix Code	Preservation Code	Container Code
33	B-I-9 (5.5-1.5)	7/26 11:35	↓	U		
34	B-I-9 (7.5-9.5)	11:36	↓			
35	B-I-9 (9.5-11.5)	11:37	↓			
36	B-I-9 (11.5-13.5)	11:38	↓			
37	B-I-9 (13.5-15.5)	11:39	↓			
	B-I-11 (0-0.5)	11:40	↓			
	B-I-11 (0.5-1.5)	11:41	↓			
	B-I-11 (1.5-2.5)	11:42	↓			
	B-I-11 (2.5-3.5)	11:43	↓			
38	B-I-11 (3.5-4.5)	11:44	↓			

Comments: **Samples w/ no analyses checked to be held**

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

Preservation Codes:  
 1 = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

Container Codes:  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

PCB ONLY  
 Soxhlet  
 Non Soxhlet

Special Requirements:  
 MA MCP Required   
 MA Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 MA State DW Required   
 PWSID #

Project Entity:  
 Government  
 Federal  
 City  
 Municipality  
 21 J  
 Brownfield  
 MWRA  
 School  
 MBTA  
 WRTA  
 Chromatogram  
 AIHA-LAP, LLC  
 Other

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Relinquished by: (signature) **[Signature]** Date/Time: **7/26**  
 Received by: (signature) **[Signature]** Date/Time: **7/26/19 16:15**  
 Relinquished by: (signature) **[Signature]** Date/Time: **7/26/19 19:45**  
 Received by: (signature) **[Signature]** Date/Time: **7/26/18 19:45**  
 Relinquished by: (signature) **[Signature]** Date/Time: **3.4.3.6**  
 Received by: (signature) **[Signature]** Date/Time: **3.4.3.6**







Company Name: **MEK**

Address:

Phone:

Project Name: **(Dumay)**

Project Location:

Project Number:

Project Manager:

Con-Test Quote Name/Number:

Invoice Recipient:

Sampled By:

Con-Test Work Order #	Client Sample ID	Sample Date	Time	Matrix	Analysis Requested	Special Requirements
45	B-G-11 (S.S-7.S)	7/26	12:10	S	PCBS (Soxhlet)	MA MCP Required
46	B-G-11 (7.S-9.S)		12:11	S		MCP Certification Form Required
47	B-G-11 (9.S-11.S)		12:12	S		CT RCP Required
48	B-G-11 (11.S-13.S)		12:13	S		RCP Certification Form Required
49	B-G-11 (13.S-15.S)		12:14	S		MA State DW Required
	B-G-9 (0.S-0.S)		12:25	S		
	B-G-9 (0.S-1.S)		12:26	S		
	B-G-9 (1.S-2.S)		12:27	S		
	B-G-9 (2.S-3.S)		12:28	S		
50	B-G-9 (3.S-5.S)		12:29	S		

Comments: Samples w/ NO analyses checked to be held

Please use the following codes to indicate possible sample concentration within the Conc. Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Requisitioned by: (signature) Date/Time: 7/26

Received by: (signature) Date/Time: 7/26/18 16:18

Requisitioned by: (signature) Date/Time: 7/26/18 17:45

Received by: (signature) Date/Time: 7/26/18 19:45

Requisitioned by: (signature) Date/Time: 3.4.3.6

Received by: (signature)

Requisitioned by: (signature)

Received by: (signature)

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 ANALYTICAL LABORATORY  
 www.con-testlabs.com

Director/Lab. Requirements: MA  
 Special Requirements: MA MCP Required, MCP Certification Form Required, CT RCP Required, RCP Certification Form Required, MA State DW Required

PNWSID #

Project Entry: Government, Federal, City, Municipality, 21 J, Brownfield, MWRA, School, MBTA, WRTA, Chromatogram, AIHA-LAP, LLC



1861120

Phone: 413-525-2332

Fax: 413-525-6405

Email: info@contestlabs.com



Company Name: MEK  
 Address: Conway  
 Phone: Conway  
 Project Name: Conway  
 Project Location: Conway  
 Project Number: Conway  
 Project Manager: Conway  
 Con-Test Quote Name/Number: Conway  
 Invoice Recipient: Conway  
 Sampled By: Conway

Con-Test Work Order #	Client Sample ID / Description	Collection Date	Analysis Requested	Matrix Code	Preservation Code	Container Code
51	B-G-9 (S.S-7.5)	7/26		S	U	
52	B-G-9 (7.5-9.5)	7/26		S	U	
53	B-G-9 (9.5-11.5)	7/26		S	U	
54	B-G-7 (0-0.5)	7/26		S	U	
55	B-G-7 (0.5-1.5)	7/26		S	U	
56	B-G-7 (1.5-2.5)	7/26		S	U	
57	B-G-7 (2.5-3.5)	7/26		S	U	
58	B-G-7 (3.5-5.5)	7/26		S	U	
59	B-G-7 (5.5-7.5)	7/26		S	U	
60	B-G-7 (7.5-9.5)	7/26		S	U	

Comments: Samples w/ no analyses checked to be held

Relinquished by: (signature) [Signature] Date/Time: 7/26  
 Received by: (signature) [Signature] Date/Time: 7/26/18 16:15  
 Informed by: (signature) [Signature] Date/Time: 7/26/18 19:45  
 Received by: (signature) [Signature] Date/Time: 7/26/18 19:45  
 Informed by: (signature) [Signature] Date/Time: 7/26/18 19:45  
 Received by: (signature) [Signature] Date/Time: 7/26/18 19:45  
 Informed by: (signature) [Signature] Date/Time: 7/26/18 19:45

Detection Limit Requirements: MA SI Special Requirements: MA MCP Required   
 MCP Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 MA State DW Required   
 PWSID # 0101

Project Entity:  Government  Municipality  WRTA  Other  Chromatogram  AHA-LAP, LLC  
 Federal  21 J  School   
 City  Brownfield  MBTA

1 Matrix Codes:  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

2 Preservation Codes:  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

3 Container Codes:  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

4 Pub Only:  
 Soxhlet  
 Non Soxhlet

39 Spruce Street  
East Longmeadow, MA 01028

http://www.contestlabs.com  
CHAIN OF CUSTODY RECORD

1861120  
Phone: 413-525-2332  
Fax: 413-525-6405  
Email: info@contestlabs.com



Company Name: **MEK**  
Address:  
Phone: **CONWAY Falls**  
Project Name:  
Project Location:  
Project Number:  
Project Manager:  
Con-Test Quote Name/Number:  
Invoice Recipient:  
Sampled By:

Requested Turnaround Time:  
7-Day  10-Day   
Due Date:  
Rush Approval Required:  
1-Day  3-Day   
2-Day  4-Day   
Data Delivery:  
Format: PDF  EXCEL   
Other:  
CLP Like Data Pkg Required:   
Email To:  
Fax To #:

# of Containers  
2 Preservation Code  
3 Container Code  
Dissolved Metals Samples:  
 Field Filtered  
 Lab to Filter  
Orthophosphate Samples:  
 Field Filtered  
 Lab to Filter

Con-Test Work Order #	Other Sample ID (see page 1)	Matrix Code	Preservation Code	Container Code	Analysis Requested	Requested Turnaround Time	Due Date	Format	Other	CLP Like Data Pkg Required	Email To	Fax To #
57	B-6-7 (9.5-11.5)	S				7/26	12:42					
58	B-6-7 (11.5-13.5)	S					12:45					
	B-6-8 (0-0.5)	S					12:55					
	B-6-5 (0.5-1.5)	S					12:56					
	B-6-5 (1.5-2.5)	S					12:57					
	B-6-5 (2.5-3.5)	S					12:58					
	B-6-5 (3.5-5.5)	S					12:59					
	B-6-5 (5.5-7.5)	S					13:00					
	B-6-5 (7.5-9.5)	S					13:01					
	B-6-5 (9.5-11.5)	S					13:02					

PCBS (SOXhrt)  
Lead

Comments: Samples w/ no analysis checked to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
H - High; M - Medium; L - Low; C - Clean; U - Unknown

- 1 Matrix Codes:  
GW = Ground Water  
WW = Waste Water  
DW = Drinking Water  
A = Air  
S = Soil  
SL = Sludge  
SOL = Solid  
O = Other (please define)
- 2 Preservation Codes:  
I = Iced  
H = HCl  
M = Methanol  
N = Nitric Acid  
S = Sulfuric Acid  
B = Sodium Bisulfate  
X = Sodium Hydroxide  
T = Sodium Thiosulfate  
O = Other (please define)
- 3 Container Codes:  
A = Amber Glass  
G = Glass  
P = Plastic  
ST = Sterile  
V = Vial  
S = Summa Canister  
T = Teclor Bag  
O = Other (please define)
- ECB ONLY  
 Soxhlet  
 Non Soxhlet

Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/26  
Received by: (signature) \_\_\_\_\_ Date/Time: 7/26/18 16:15  
Inquished by: (signature) \_\_\_\_\_ Date/Time: 7/26/18  
Received by: (signature) \_\_\_\_\_ Date/Time: 7/26/18 19:45  
Inquished by: (signature) \_\_\_\_\_ Date/Time: 7/26/18 19:45  
Received by: (signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_  
Inquished by: (signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Special Requirements:  
 MA MCP Required  
 MCP Certification Form Required  
 CT RCP Required  
 RCP Certification Form Required  
 MA State DW Required  
PWSID # \_\_\_\_\_

Project Entity:  
 Government  
 Federal  
 City  
 Municipality  
 21 J  
 Brownfield  
 MWRA  
 School  
 MBTA  
 Chromatogram  
 AHA-LAP, LLC  
Other \_\_\_\_\_

Requested Turnaround Time: 7-Day  10-Day

Due Date: \_\_\_\_\_

Rush Approval Required: 1-Day  3-Day  2-Day  4-Day

Date Delivery: \_\_\_\_\_

Format: PDF  EXCEL

Other: \_\_\_\_\_

CLP Like Data Pkg Required:

Email To: \_\_\_\_\_

Fax To #: \_\_\_\_\_

Con-Test Work Order #	Client Sample ID / Description	Project / Location	Priority	Analysis Requested	Matrix Code	Preservation Code	Container Code
63	B-G-5 (1.5-13.5)	Conway Park	7/26	PCBs (Soxhlet)	S	U	
	B-G-3 (0-0.5)						
	B-G-3 (0.5-1.5)						
	B-G-3 (1.5-2.5)						
	B-G-3 (2.5-3.5)						
	B-G-3 (3.5-5.5)						
	B-G-3 (5.5-7.5)						
	B-G-1 (0-0.5)						
	B-G-1 (0.5-1.5)						
	B-G-1 (1.5-2.5)						

Comments: Samples w/ no analyses checked to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

1 Matrix Codes:  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

2 Preservation Codes:  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

3 Container Codes:  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tecler Bag  
 O = Other (please define)

PCB ONLY:  Soxhlet  Non Soxhlet

Project Entity:  Government  Municipality  MWRA  WRTA  Other  Federal  21 J  School  AIHA-LAP, LLC  City  Brownfield  MBTA

Special Requirements:  
 MA MCP Required   
 MCP Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 MA State DW Required   
 PWSID # \_\_\_\_\_

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Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/26

Received by: (signature) \_\_\_\_\_ Date/Time: 7/26/18 16:15

Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/26/18 19:45

Received by: (signature) \_\_\_\_\_ Date/Time: 7/26/18 19:45

Relinquished by: (signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Received by: (signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_





Company Name: **MEK**  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Project Name: **CONWAY PARK**  
 Project Location: \_\_\_\_\_  
 Project Number: \_\_\_\_\_  
 Project Manager: \_\_\_\_\_  
 Con-Test Quote Name/Number: \_\_\_\_\_  
 Invoice Recipient: \_\_\_\_\_  
 Sampled By: \_\_\_\_\_

Con-Test Work Order #	Client Sample ID	Sample Date	Analysis Requested	Matrix Code	Preservation Code	Container Code
70	B-E-1 (7.5-9.5)	7/26	PCBS (Soxhlet)	S		
71	B-E-2 (9.5-11.5)					
72	B-E-3 (10-0.5)					
73	B-E-1 (11.5-13.5)					
74	B-E-2 (13.5-15.5)					
	B-E-1 (15.5-17.5)					
	B-E-3 (25-1.5)					
	B-E-3 (1.5-2.5)					
	B-E-3 (2.5-3.5)					
75	B-E-3 (3.5-5.5)					

Comments: **Samples w/ no checked analyses to be held**

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

1 Matrix Codes:  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

2 Preservation Codes:  
 I = Iced  
 H = HCl  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

3 Container Codes:  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

Requested Turnaround Time:  
 7-Day  10-Day

Due Date: \_\_\_\_\_

Rush Approval Required:  
 1-Day  3-Day   
 2-Day  4-Day

Date Delivery:  
 PDF  EXCEL

Other:  
 CLP Like Data Pkg Required:  
 Email To: \_\_\_\_\_  
 Fax To #: \_\_\_\_\_

Detection Limit Requirements:  
 MA MCP Required   
 MCP Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 MA Static DMV Required

PNISID #: \_\_\_\_\_

Project Entry:  
 Government  Municipality  MWRA  VRTA  
 Federal  21 J  School  Other  
 City  Brownfield  MBTA  ANA-LAP, LLC

Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/26  
 Received by: (signature) \_\_\_\_\_ Date/Time: 7/26/18  
 Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/26/18  
 Received by: (signature) \_\_\_\_\_ Date/Time: 7/26/18  
 Relinquished by: (signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Received by: (signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

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 Fax: 413-525-6405  
 Email: info@contestlabs.com



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 39 Spruce Street  
 East Longmeadow, MA 01028

Page 15 of 17

Company Name: **MEK**  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Project Name: \_\_\_\_\_  
 Project Location: \_\_\_\_\_  
 Project Number: \_\_\_\_\_  
 Project Manager: \_\_\_\_\_  
 Con-Test Quote Name/Number: \_\_\_\_\_  
 Invoice Recipient: \_\_\_\_\_  
 Sampled By: \_\_\_\_\_

Requested by (Signature): \_\_\_\_\_  
 Date/Time: 7/26  
 Requested by (Signature): \_\_\_\_\_  
 Date/Time: 7/26  
 Requested by (Signature): \_\_\_\_\_  
 Date/Time: 7/14/08  
 Requested by (Signature): \_\_\_\_\_  
 Date/Time: 7/26/18 1945  
 Requested by (Signature): \_\_\_\_\_  
 Date/Time: 7/26/18 1945

Requested by (Signature): \_\_\_\_\_  
 Date/Time: \_\_\_\_\_  
 Requested by (Signature): \_\_\_\_\_  
 Date/Time: \_\_\_\_\_

Det-Test Work Order #	Det-Test Sample ID	Det-Test Sample Description	Matrix Code	Preservation Code	Analysis Requested	Special Requirements
76	B-E-7 (0.0-0.5)	1503	S	U	PCB (Soxhlet)	MA MCP Required
77	B-E-7 (0.5-1.5)	1504	S	U	PCB (Soxhlet)	MCP Certification Form Required
78	B-E-7 (1.5-2.5)	1505	S	U	PCB (Soxhlet)	CT RCP Required
79	B-E-7 (2.5-3.5)	1506	S	U	PCB (Soxhlet)	RCP Certification Form Required
80	B-E-7 (3.5-5.5)	1507	S	U	PCB (Soxhlet)	MA State DW Required
	B-E-7 (5.5-7.5)	1508	S	U	PCB (Soxhlet)	
	B-E-7 (7.5-9.5)	1509	S	U	PCB (Soxhlet)	
	B-E-7 (9.5-11.5)	1510	S	U	PCB (Soxhlet)	
	B-E-7 (11.5-13.5)	1511	S	U	PCB (Soxhlet)	
	B-E-9 (0-0.5)	1512	S	U	PCB (Soxhlet)	

Comments: *Samples w/ no checked analyses to be held*

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

Preservation Codes:  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

Container Codes:  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tediator bag  
 O = Other (please define)

PCB ONLY  
 Soxhlet  
 Non Soxhlet

Project Entity:  
 Government  
 Federal  
 City  
 Municipality  
 21 J  
 Brownfield  
 WRTA  
 Chromatogram  
 MWRA  
 School  
 MBTA  
 AHA-LAP, LLC

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**Company Name:** MEK  
**Address:**  
**Phone:**  
**Project Name:** CONWAY PARK  
**Project Location:**  
**Project Number:**  
**Project Manager:**  
**Con-Test Quote Name/Number:**  
**Invoice Recipient:**  
**Sampled By:**

**Requested Turnaround Time:**  
 7-Day  10-Day   
**Due Date:**  
**Analysis Requested:**  
 1-Day  3-Day   
 2-Day  4-Day   
**Data Delivery:**  
 Format: PDF  EXCEL   
 Other:  
 CLP Like Data Pkg Required:   
 Email To:  
 Fax To #:

**Matrix Codes:**  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

**Preservation Codes:**  
 I = Ice  
 H = HCl  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

**Container Codes:**  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

**Dispositional Metals - Samples:**  
 Field Filtered  
 Lab to Filter

**Orthophosphate - Samples:**  
 Field Filtered  
 Lab to Filter

Sample ID	Matrix	Preservation	Container	Analysis Requested	Requested Turnaround Time	Due Date	Format	Other	CLP Like Data Pkg Required	Email To	Fax To #
B-E-4 (0.5-1.5)	GW				10-Day		PDF				
B-E-4 (1.5-2.5)	GW				10-Day		PDF				
B-E-4 (2.5-3.5)	GW				10-Day		PDF				
B-E-4 (3.5-5.5)	GW				10-Day		PDF				
B-E-4 (5.5-7.5)	GW				10-Day		PDF				
B-E-4 (7.5-9.5)	GW				10-Day		PDF				
B-E-4 (9.5-11.5)	GW				10-Day		PDF				
B-E-4 (0-0.5)	GW				10-Day		PDF				

Sample ID	Matrix	Preservation	Container	Analysis Requested	Requested Turnaround Time	Due Date	Format	Other	CLP Like Data Pkg Required	Email To	Fax To #
1433	GW				10-Day		PDF				
1434	GW				10-Day		PDF				
1435	GW				10-Day		PDF				
1436	GW				10-Day		PDF				
1437	GW				10-Day		PDF				
1438	GW				10-Day		PDF				
1439	GW				10-Day		PDF				
1455	GW				10-Day		PDF				

**Comments:**  
 Samples w/ no analyses checked to be  
 Relinquished by: (signature) Date/Time: 7/26/18  
 Relinquished by: (signature) Date/Time: 7/26/18  
 Relinquished by: (signature) Date/Time: 7/26/18  
 Relinquished by: (signature) Date/Time: 7/26/18  
 Relinquished by: (signature) Date/Time: 7/26/18

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

**Distinction Limit Requirements:**  
 MA MCP Required   
 MCP Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 MA State DW Required

**Special Requirements:**

**Project Entry:**  
 Government  Municipality  MWRA  Chromatogram   
 Federal  City  21 J  School  AHA-LAP, LLC   
 City  Brownfield  MBTA

**Other:**  
 PCB ONLY  
 Soxhlet  
 Non Soxhlet

**con-test ANALYTICAL LABORATORY**  
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186-1120  
 Phone: 413-525-2332  
 Fax: 413-525-6405  
 Email: info@contestlabs.com



MEK

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 39 Spruce Street  
 East Longmeadow, MA 01028

Page 19 of 19

Company Name: <b>CONWAY PARK</b> Address: Phone: Project Name: Project Location: Project Number: Project Manager: Con-Test Quote Name/Number: Invoice Recipient: Sampled By:		Requested turnaround time: 7-Day <input type="checkbox"/> 10-Day <input type="checkbox"/> Due Date: Rush approval required: 1-Day <input type="checkbox"/> 3-Day <input type="checkbox"/> 2-Day <input type="checkbox"/> 4-Day <input type="checkbox"/> Data Delivery: Format: PDF <input type="checkbox"/> EXCEL <input type="checkbox"/> Other: CLP Like Data Pkg Required: <input type="checkbox"/> Email To: Fax To #:		ANALYSIS REQUESTED (Soxlet) (Soxlet) (Lead)		# of Containers Preservation Code Container Code <b>Disposal/Reuse Samples:</b> <input type="radio"/> Field Filtered <input type="radio"/> Lab to Filter <b>Onsite/Offsite Samples:</b> <input type="radio"/> Field Filtered <input type="radio"/> Lab to Filter	
Con-Test Mark Orders: 96 B-E-S (0.5-1.5) 97 B-E-S (1.5-2.5) 98 B-E-S (2.5-3.5) B-E-S (3.5-11.5)		Date/Time: 7/26 7/26/18 7/26/18 7/26/18		Matrix Codes: GW = Ground Water WW = Waste Water DW = Drinking Water A = Air S = Soil SL = Sludge SOL = Solid O = Other (please define)		Preservation Codes: I = Iced H = HCL M = Methanol N = Nitric Acid S = Sulfuric Acid B = Sodium Bisulfate X = Sodium Hydroxide T = Sodium Thiosulfate O = Other (please define)	
Date/Time: 7/26 7/26/18 7/26/18 7/26/18		Date/Time: 7/26 7/26/18 7/26/18 7/26/18		Container Codes: A = Amber Glass G = Glass P = Plastic ST = Sterile V = Vial S = Summa Canister T = Tedlar Bag O = Other (please define)		PCB ONLY <input checked="" type="checkbox"/> Soxhlet <input type="checkbox"/> Non Soxhlet	
Relinquished by: (signature) Received By: (signature) Relinquished by: (signature) Received by: (signature)		Date/Time: 7/26/18 7/26/18 7/26/18 7/26/18		Special Requirements: MIA MCP Required <input type="checkbox"/> MCP Certification Form Required <input type="checkbox"/> CT RCP Required <input type="checkbox"/> RCP Certification Form Required <input type="checkbox"/> MA State DW Required <input type="checkbox"/> PWSID #		Please use the following codes to indicate possible sample concentration within the Conc Code column above: H - High; M - Medium; L - Low; C - Clean; U - Unknown	
Project Entry: <input type="checkbox"/> Government <input type="checkbox"/> Federal <input type="checkbox"/> City		Municipality: <input type="checkbox"/> WRTA <input type="checkbox"/> MBTA		School: <input type="checkbox"/> School		Other: <input type="checkbox"/> Chromatogram <input type="checkbox"/> AIHA-LAP, LLC	





**con-test**  
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False**

Client W+S  
 Received By SE Date 7/26/18 Time 1945

How were the samples received? In Cooler T No Cooler \_\_\_\_\_ On Ice T No Ice \_\_\_\_\_  
 Direct from Sampling \_\_\_\_\_ Ambient \_\_\_\_\_ Melted Ice \_\_\_\_\_

Were samples within Temperature? 2-6°C T By Gun # 8 Actual Temp - 3.4, 3.6  
 By Blank # \_\_\_\_\_ Actual Temp - \_\_\_\_\_

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A  
 Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T  
 Did COC include all Client T Analysis T Sampler Name T  
 pertinent information? Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? \_\_\_\_\_  
 Are there Rushes? F Who was notified? \_\_\_\_\_  
 Are there Short Holds? F Who was notified? \_\_\_\_\_

Is there enough Volume? T

Is there Headspace where applicable? N/A MS/MSD? F  
 Proper Media/Containers Used? T Is splitting samples required? F  
 Were trip blanks received? F On COC? F  
 Do all samples have the proper pH? N/A Acid \_\_\_\_\_ Base \_\_\_\_\_

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

**Unused Media**

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Comments:

## Meghan Kelley

---

**From:** Smith, Taylor  
**Sent:** Thursday, August 09, 2018 11:31 AM  
**To:** tferrentino@contestlabs.com  
**Cc:** Meghan Kelley  
**Subject:** Conway Park

*See below email regarding Conway Park. (Received an out of office reply from Meghan)*

Meghan-

I understand that you guys are extremely busy with all of those extractions/additional samples you have running for us, we really appreciate it! Whenever you wrap up with the stuff we have already give you could you get started on the following?

WO# 18G1116- Samples 5-8 need to be reissued with the B-K-3 nomenclature (was accidentally written as the previous sample)

WO# 18G1119- Release samples:

- B-E-5 (1.5-2.5)
- B-E-5 (2.5-3.5)
- B-E-4 (0-0.5)
- B-E-3 (3.5-5.5)
- B-E-3 (5.5-7.5)
- B-E-3 (3.5-5.5)
- B-E-3 (5.5-7.5)
- B-E-7 (3.5-5.5)
- B-E-7 (5.5-7.5)

WO# 18G1118- Release samples:

- B-G-7 (3.5-5.5)
- B-G-7 (5.5-7.5)
- B-G-5 (3.5-5.5)
- B-G-5 (5.5-7.5)
- B-G-3 (3.5-5.5)
- B-G-3 (5.5-7.5)

Let me know if you have any questions and thanks again!

### Taylor Smith

ENVIRONMENTAL SCIENTIST  
 direct: 978-977-0110 x2222  
 cell: 978-854-2413



Weston & Sampson  
 5 Centennial Drive | Peabody, MA 01960 (HQ)  
 tel: 978-532-1900  
 westonandsampson.com

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## MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Con-Test Analytical Laboratory	Project #: 18G1120
Project Location: Conway Park., Somerville, MA	RTN:

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]  
18G1120-01 thru 18G1120-98

Matrices: Soil

**CAM Protocol (check all that below)**

8260 VOC CAM II A ( )	7470/7471 Hg CAM III B ( )	MassDEP VPH CAM IV A ( )	8082 PCB CAM V A (X)	9014 Total Cyanide/PAC CAM VI A ( )	6860 Perchlorate CAM VIII B ( )
8270 SVOC CAM II B ( )	7010 Metals CAM III C ( )	MassDEP VPH CAM IV C ( )	8081 Pesticides CAM V B ( )	7196 Hex Cr CAM VI B ( )	MassDEP APH CAM IX A ( )
6010 Metals CAM III A ( )	6020 Metals CAM III D ( )	MassDEP EPH CAM IV A ( )	8151 Herbicides CAM V C ( )	8330 Explosives CAM VIII A ( )	TO-15 VOC CAM IX B ( )

**Affirmative response to Questions A through F is required for "Presumptive Certainty" status**

<b>A</b>	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>B</b>	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>C</b>	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>D</b>	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>E a</b>	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	<input type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>E b</b>	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	<input type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>F</b>	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all No responses to Questions A through E)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>

**A response to questions G, H and I below is required for "Presumptive Certainty" status**

<b>G</b>	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>
----------	---	--

**Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.**

<b>H</b>	Were all QC performance standards specified in the CAM protocol(s) achieved?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>
<b>I</b>	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>

<sup>1</sup>All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

**I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.**

Signature: Lisa Worthington Position: Project Manager  
Printed Name: Lisa A. Worthington Date: 08/22/18

September 4, 2018

Taylor Smith  
Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960

Project Location: Conway Park., Somerville, MA  
Client Job Number:  
Project Number: [none]  
Laboratory Work Order Number: 18G1120

Enclosed are results of analyses for samples received by the laboratory on July 26, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley  
Project Manager

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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 9/4/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1120

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-K-1 (3.5-5.5)	18G1120-01	Soil		SM 2540G SW-846 8082A	
B-K-1 (5.5-7.5)	18G1120-02	Soil		SM 2540G SW-846 8082A	
B-K-1 (7.5-9.5)	18G1120-03	Soil		SM 2540G SW-846 8082A	
B-K-1 (9.5-11.5)	18G1120-04	Soil		SM 2540G SW-846 8082A	
B-K-1 (3.5-5.5)	18G1120-05	Soil		SM 2540G SW-846 8082A	
B-K-9 (5.5-7.5)	18G1120-06	Soil		SM 2540G SW-846 8082A	
B-K-9 (9.5-11.5)	18G1120-07	Soil		SM 2540G SW-846 8082A	
B-I-1 (0-0.5)	18G1120-08	Soil		SM 2540G SW-846 8082A	
B-I-1 (0.5-1.5)	18G1120-09	Soil		SM 2540G SW-846 8082A	
B-I-1 (1.5-2.5)	18G1120-10	Soil		SM 2540G SW-846 8082A	
B-I-1 (2.5-3.5)	18G1120-11	Soil		SM 2540G SW-846 8082A	
B-I-1 (3.5-5.)	18G1120-12	Soil		SM 2540G SW-846 8082A	
B-O-11 (3.5-5.)	18G1120-13	Soil		SM 2540G SW-846 8082A	
B-O-11 (5.5-7.5)	18G1120-14	Soil		SM 2540G SW-846 8082A	
B-O-8 (3.5-5.)	18G1120-15	Soil		SM 2540G SW-846 8082A	
B-O-8 (5.5-7.5)	18G1120-16	Soil		SM 2540G SW-846 8082A	
B-O-8 (7.5-9.5)	18G1120-17	Soil		SM 2540G SW-846 8082A	
B-O-8 (9.5-11.5)	18G1120-18	Soil		SM 2540G SW-846 8082A	
B-I-1 (5.5-7.5)	18G1120-19	Soil		SM 2540G SW-846 8082A	
B-I-1 (7.5-9.5)	18G1120-20	Soil		SM 2540G SW-846 8082A	

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Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 9/4/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1120

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-I-1 (9.5-11.5)	18G1120-21	Soil		SM 2540G SW-846 8082A	
B-I-3 (3.5-5.5)	18G1120-22	Soil		SM 2540G SW-846 8082A	
B-I-3 (5.5-7.5)	18G1120-23	Soil		SM 2540G SW-846 8082A	
B-I-3 (7.5-9.5)	18G1120-24	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-I-5 (3.5-5.5)	18G1120-25	Soil		SM 2540G SW-846 8082A	
B-I-5 (5.5-7.5)	18G1120-26	Soil		SM 2540G SW-846 8082A	
B-I-5 (7.5-9.5)	18G1120-27	Soil		SM 2540G SW-846 8082A	
B-I-5 (9.5-11.5)	18G1120-28	Soil		SM 2540G SW-846 8082A	
B-I-5 (11.5-13.5)	18G1120-29	Soil		SM 2540G SW-846 8082A	
B-I-7 (3.5-5.)	18G1120-30	Soil		SM 2540G SW-846 8082A	
B-I-7 (5.5-7.5)	18G1120-31	Soil		SM 2540G SW-846 8082A	
B-I-9 (3.5-5.5)	18G1120-32	Soil		SM 2540G SW-846 8082A	
B-I-9 (5.5-7.5)	18G1120-33	Soil		SM 2540G SW-846 8082A	
B-I-9 (7.5-9.5)	18G1120-34	Soil		SM 2540G SW-846 8082A	
B-I-9 (9.5-11.5)	18G1120-35	Soil		SM 2540G SW-846 8082A	
B-I-9 (11.5-13.5)	18G1120-36	Soil		SM 2540G SW-846 8082A	
B-I-9 (13.5-15)	18G1120-37	Soil		SM 2540G SW-846 8082A	
B-I-11 (3.5-5.5)	18G1120-38	Soil		SM 2540G SW-846 8082A	
B-I-11 (5.5-7.5)	18G1120-39	Soil		SM 2540G SW-846 8082A	
B-I-11 (7.5-9.5)	18G1120-40	Soil		SW-846 8082A	

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Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 9/4/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1120

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-I-11 (9.5-11.5)	18G1120-41	Soil		SM 2540G SW-846 8082A	
B-I-11 (11.5-13.5)	18G1120-42	Soil		SM 2540G SW-846 8082A	
B-I-11 (13.5-15)	18G1120-43	Soil		SM 2540G SW-846 8082A	
B-G-11 (3.5-5.5)	18G1120-44	Soil		SM 2540G SW-846 8082A	
B-G-11 (5.5-7.5)	18G1120-45	Soil		SM 2540G SW-846 8082A	
B-G-11 (7.5-9.5)	18G1120-46	Soil		SM 2540G SW-846 8082A	
B-G-11 (9.5-11.5)	18G1120-47	Soil		SM 2540G SW-846 8082A	
B-G-11 (11.5-13.5)	18G1120-48	Soil		SM 2540G SW-846 8082A	
B-G-11 (13.5-15.5)	18G1120-49	Soil		SM 2540G SW-846 8082A	
B-G-9 (3.5-5.5)	18G1120-50	Soil		SM 2540G SW-846 8082A	
B-G-9 (5.5-7.5)	18G1120-51	Soil		SM 2540G SW-846 8082A	
B-G-9 (7.5-9.5)	18G1120-52	Soil		SM 2540G SW-846 8082A	
B-G-9 (9.5-11.5)	18G1120-53	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-G-7 (3.5-5.5)	18G1120-54	Soil		SM 2540G SW-846 8082A	
B-G-7 (5.5-7.5)	18G1120-55	Soil		SM 2540G SW-846 8082A	
B-G-7 (7.5-9.5)	18G1120-56	Soil		SM 2540G SW-846 8082A	
B-G-7 (9.5-11.5)	18G1120-57	Soil		SM 2540G SW-846 8082A	
B-G-7 (11.5-13.5)	18G1120-58	Soil		SM 2540G SW-846 8082A	
B-G-5 (3.5-5.5)	18G1120-59	Soil		SM 2540G SW-846 8082A	
B-G-5 (5.5-7.5)	18G1120-60	Soil		SM 2540G SW-846 8082A	

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Weston & Sampson Engineers MA  
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 ATTN: Taylor Smith

REPORT DATE: 9/4/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1120

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-G-5 (7.5-9.5)	18G1120-61	Soil		SM 2540G SW-846 8082A	
B-G-5 (9.5-11.5)	18G1120-62	Soil		SM 2540G SW-846 8082A	
B-G-5 (11.5-13.5)	18G1120-63	Soil		SM 2540G SW-846 8082A	
B-G-3 (3.5-5.5)	18G1120-64	Soil		SM 2540G SW-846 8082A	
B-G-3 (5.5-7.5)	18G1120-65	Soil		SM 2540G SW-846 8082A	
B-G-1 (3.5-5.5)	18G1120-66	Soil		SM 2540G SW-846 8082A	
B-G-1 (5.5-7.5)	18G1120-67	Soil		SM 2540G SW-846 8082A	
B-E-1 (3.5-5.5)	18G1120-68	Soil		SM 2540G SW-846 8082A	
B-E-1 (5.5-7.5)	18G1120-69	Soil		SM 2540G SW-846 8082A	
B-E-1 (7.5-9.5)	18G1120-70	Soil		SM 2540G SW-846 8082A	
B-E-1 9.5-11.5)	18G1120-71	Soil		SM 2540G SW-846 8082A	
B-E-1 (11.5-13.5)	18G1120-72	Soil		SM 2540G SW-846 8082A	
B-E-1 (13.5-15.5)	18G1120-73	Soil		SM 2540G SW-846 8082A	
B-E-1 (15.5-17.5)	18G1120-74	Soil		SM 2540G SW-846 8082A	
B-E-3 (3.5-5.5)	18G1120-75	Soil		SM 2540G SW-846 8082A	
B-E-7 (3.5-5.5)	18G1120-76	Soil		SM 2540G SW-846 8082A	
B-E-7 (5.5-7.5)	18G1120-77	Soil		SM 2540G SW-846 8082A	
B-E-7 (7.5-9.5)	18G1120-78	Soil		SM 2540G SW-846 8082A	
B-E-7 (9.7-11.5)	18G1120-79	Soil		SM 2540G SW-846 8082A	
B-E-7 (11.5-13.5)	18G1120-80	Soil		SM 2540G SW-846 8082A	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 9/4/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1120

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-E-3 (5.5-7.5)	18G1120-81	Soil		SM 2540G SW-846 8082A	
B-E-3 (7.5-9.5)	18G1120-82	Soil		SM 2540G SW-846 8082A	
B-E-3 (9.5-11.5)	18G1120-83	Soil		SM 2540G SW-846 8082A	
B-E-4 (0-0.5)	18G1120-84	Soil		SM 2540G SW-846 8082A	
B-E-9 (3.5-5.5)	18G1120-85	Soil		SM 2540G SW-846 8082A	
BE-9 (5.5-7.5)	18G1120-86	Soil		SM 2540G SW-846 8082A	
B-E-9 (7.5-9.5)	18G1120-87	Soil		SM 2540G SW-846 8082A	
B-E-5 (5.5-7.5)	18G1120-88	Soil		SM 2540G SW-846 8082A	
B-E-5 (7.5-9.5)	18G1120-89	Soil		SM 2540G SW-846 8082A	
B-E-5 (9.5-11.5)	18G1120-90	Soil		SM 2540G SW-846 8082A	
B-E-5 (11.5-13.5)	18G1120-91	Soil		SM 2540G SW-846 8082A	
B-E-4 (3.5-5.)	18G1120-92	Soil		SM 2540G SW-846 8082A	
B-E-4 (5.5-7.5)	18G1120-93	Soil		SM 2540G SW-846 8082A	
B-E-4 (7.5-9.5)	18G1120-94	Soil		SM 2540G SW-846 8082A	
B-E-4 (9.5-11.5)	18G1120-95	Soil		SM 2540G SW-846 8082A	
B-E-5 (1.5-2.5)	18G1120-96	Soil		SM 2540G SW-846 8082A	
B-E-5 (2.5-3.5)	18G1120-97	Soil		SM 2540G SW-846 8082A	
B-E-5 (3.5-5.5)	18G1120-98	Soil		SM 2540G SW-846 8082A	

## CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 6010, only lead was requested and reported.

SW-846 8082A

**Qualifications:****MS-21**

Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.

**Analyte & Samples(s) Qualified:****Aroclor-1260 [2C]**

B209664-MS1, B209664-MSD1

**O-32**

A dilution was performed as part of the standard analytical procedure.

**Analyte & Samples(s) Qualified:**

18G1120-01[B-K-1 (3.5-5.5)], 18G1120-02[B-K-1 (5.5-7.5)], 18G1120-03[B-K-1 (7.5-9.5)], 18G1120-04[B-K-1 (9.5-11.5)], 18G1120-07[B-K-9 (9.5-11.5)], 18G1120-13[B-O-11 (3.5-5.5)], 18G1120-14[B-O-11 (5.5-7.5)], 18G1120-17[B-O-8 (7.5-9.5)], 18G1120-18[B-O-8 (9.5-11.5)], 18G1120-20[B-I-1 (7.5-9.5)], 18G1120-21[B-I-1 (9.5-11.5)], 18G1120-24[B-I-3 (7.5-9.5)], 18G1120-26[B-I-5 (5.5-7.5)], 18G1120-27[B-I-5 (7.5-9.5)], 18G1120-28[B-I-5 (9.5-11.5)], 18G1120-29[B-I-5 (11.5-13.5)], 18G1120-33[B-I-9 (5.5-7.5)], 18G1120-34[B-I-9 (7.5-9.5)], 18G1120-36[B-I-9 (11.5-13.5)], 18G1120-37[B-I-9 (13.5-15)], 18G1120-39[B-I-11 (5.5-7.5)], 18G1120-40[B-I-11 (7.5-9.5)], 18G1120-42[B-I-11 (11.5-13.5)], 18G1120-43[B-I-11 (13.5-15)], 18G1120-46[B-G-11 (7.5-9.5)], 18G1120-47[B-G-11 (9.5-11.5)], 18G1120-48[B-G-11 (11.5-13.5)], 18G1120-49[B-G-11 (13.5-15.5)], 18G1120-52[B-G-9 (7.5-9.5)], 18G1120-53[B-G-9 (9.5-11.5)], 18G1120-55[B-G-7 (5.5-7.5)], 18G1120-56[B-G-7 (7.5-9.5)], 18G1120-57[B-G-7 (9.5-11.5)], 18G1120-58[B-G-7 (11.5-13.5)], 18G1120-59[B-G-5 (3.5-5.5)], 18G1120-60[B-G-5 (5.5-7.5)], 18G1120-61[B-G-5 (7.5-9.5)], 18G1120-62[B-G-5 (9.5-11.5)], 18G1120-63[B-G-5 (11.5-13.5)], 18G1120-78[B-E-7 (7.5-9.5)], 18G1120-79[B-E-7 (9.7-11.5)], 18G1120-80[B-E-7 (11.5-13.5)], 18G1120-82[B-E-3 (7.5-9.5)], 18G1120-83RE1[B-E-3 (9.5-11.5)], 18G1120-85RE1[B-E-9 (3.5-5.5)], 18G1120-87[B-E-9 (7.5-9.5)], 18G1120-88[B-E-5 (5.5-7.5)], 18G1120-89[B-E-5 (7.5-9.5)], 18G1120-90[B-E-5 (9.5-11.5)], 18G1120-91[B-E-5 (11.5-13.5)], 18G1120-94[B-E-4 (7.5-9.5)], 18G1120-95[B-E-4 (9.5-11.5)]

**S-01**

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**Analyte & Samples(s) Qualified:****Decachlorobiphenyl**

18G1120-08[B-I-1 (0-0.5)], 18G1120-09[B-I-1 (0.5-1.5)], 18G1120-10[B-I-1 (1.5-2.5)], 18G1120-44[B-G-11 (3.5-5.5)], 18G1120-64[B-G-3 (3.5-5.5)], 18G1120-66[B-G-1 (3.5-5.5)], 18G1120-69[B-E-1 (5.5-7.5)], 18G1120-70[B-E-1 (7.5-9.5)], 18G1120-71RE1[B-E-1 99.5-11.5)], 18G1120-75[B-E-3 (3.5-5.5)], 18G1120-92[B-E-4 (3.5-5.5)], 18G1120-96[B-E-5 (1.5-2.5)]

**Decachlorobiphenyl [2C]**

18G1120-08[B-I-1 (0-0.5)], 18G1120-09[B-I-1 (0.5-1.5)], 18G1120-10[B-I-1 (1.5-2.5)], 18G1120-44[B-G-11 (3.5-5.5)], 18G1120-64[B-G-3 (3.5-5.5)], 18G1120-66[B-G-1 (3.5-5.5)], 18G1120-69[B-E-1 (5.5-7.5)], 18G1120-70[B-E-1 (7.5-9.5)], 18G1120-71RE1[B-E-1 99.5-11.5)], 18G1120-75[B-E-3 (3.5-5.5)], 18G1120-92[B-E-4 (3.5-5.5)], 18G1120-96[B-E-5 (1.5-2.5)]

**Tetrachloro-m-xylene**

18G1120-08[B-I-1 (0-0.5)], 18G1120-09[B-I-1 (0.5-1.5)], 18G1120-10[B-I-1 (1.5-2.5)], 18G1120-44[B-G-11 (3.5-5.5)], 18G1120-64[B-G-3 (3.5-5.5)], 18G1120-66[B-G-1 (3.5-5.5)], 18G1120-69[B-E-1 (5.5-7.5)], 18G1120-70[B-E-1 (7.5-9.5)], 18G1120-71RE1[B-E-1 99.5-11.5)], 18G1120-75[B-E-3 (3.5-5.5)], 18G1120-92[B-E-4 (3.5-5.5)], 18G1120-96[B-E-5 (1.5-2.5)]

**Tetrachloro-m-xylene [2C]**

18G1120-08[B-I-1 (0-0.5)], 18G1120-09[B-I-1 (0.5-1.5)], 18G1120-10[B-I-1 (1.5-2.5)], 18G1120-44[B-G-11 (3.5-5.5)], 18G1120-64[B-G-3 (3.5-5.5)], 18G1120-66[B-G-1 (3.5-5.5)], 18G1120-69[B-E-1 (5.5-7.5)], 18G1120-70[B-E-1 (7.5-9.5)], 18G1120-71RE1[B-E-1 99.5-11.5)], 18G1120-75[B-E-3 (3.5-5.5)], 18G1120-92[B-E-4 (3.5-5.5)], 18G1120-96[B-E-5 (1.5-2.5)]

**S-02**

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

**Analyte & Samples(s) Qualified:****Decachlorobiphenyl [2C]**

18G1120-15[B-O-8 (3.5-5.5)], 18G1120-32[B-I-9 (3.5-5.5)], 18G1120-50[B-G-9 (3.5-5.5)], 18G1120-51[B-G-9 (5.5-7.5)], 18G1120-52[B-G-9 (7.5-9.5)], 18G1120-98[B-E-5 (3.5-5.5)]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Lisa A. Worthington", is written over a light gray rectangular background.

Lisa A. Worthington  
Project Manager

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-K-1 (3.5-5.5)

Sampled: 7/25/2018 14:04

Sample ID: 18G1120-01

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 3:14	KAL
Aroclor-1221 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 3:14	KAL
Aroclor-1232 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 3:14	KAL
Aroclor-1242 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 3:14	KAL
Aroclor-1248 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 3:14	KAL
Aroclor-1254 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 3:14	KAL
Aroclor-1260 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 3:14	KAL
Aroclor-1262 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 3:14	KAL
Aroclor-1268 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 3:14	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		96.1	30-150					8/28/18 3:14	
Decachlorobiphenyl [2]		105	30-150					8/28/18 3:14	
Tetrachloro-m-xylene [1]		93.8	30-150					8/28/18 3:14	
Tetrachloro-m-xylene [2]		97.6	30-150					8/28/18 3:14	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-K-1 (3.5-5.5)

Sampled: 7/25/2018 14:04

Sample ID: 18G1120-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.3		% Wt	1		SM 2540G	8/7/18	8/8/18 7:25	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-K-1 (5.5-7.5)

Sampled: 7/25/2018 14:05

Sample ID: 18G1120-02

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 3:31	KAL
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 3:31	KAL
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 3:31	KAL
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 3:31	KAL
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 3:31	KAL
Aroclor-1254 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 3:31	KAL
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 3:31	KAL
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 3:31	KAL
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 3:31	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		95.2	30-150					8/28/18 3:31	
Decachlorobiphenyl [2]		99.2	30-150					8/28/18 3:31	
Tetrachloro-m-xylene [1]		87.4	30-150					8/28/18 3:31	
Tetrachloro-m-xylene [2]		94.4	30-150					8/28/18 3:31	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-K-1 (5.5-7.5)

Sampled: 7/25/2018 14:05

Sample ID: 18G1120-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.1		% Wt	1		SM 2540G	8/7/18	8/8/18 7:26	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-K-1 (7.5-9.5)

Sampled: 7/25/2018 14:06

Sample ID: 18G1120-03

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 3:48	KAL
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 3:48	KAL
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 3:48	KAL
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 3:48	KAL
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 3:48	KAL
Aroclor-1254 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 3:48	KAL
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 3:48	KAL
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 3:48	KAL
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 3:48	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		99.8	30-150					8/28/18 3:48	
Decachlorobiphenyl [2]		104	30-150					8/28/18 3:48	
Tetrachloro-m-xylene [1]		89.0	30-150					8/28/18 3:48	
Tetrachloro-m-xylene [2]		94.6	30-150					8/28/18 3:48	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-K-1 (7.5-9.5)

Sampled: 7/25/2018 14:06

Sample ID: 18G1120-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.7		% Wt	1		SM 2540G	8/7/18	8/8/18 7:26	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-K-1 (9.5-11.5)

Sampled: 7/25/2018 14:07

Sample ID: 18G1120-04

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 4:06	KAL
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 4:06	KAL
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 4:06	KAL
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 4:06	KAL
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 4:06	KAL
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 4:06	KAL
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 4:06	KAL
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 4:06	KAL
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 4:06	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		105	30-150					8/28/18 4:06	
Decachlorobiphenyl [2]		110	30-150					8/28/18 4:06	
Tetrachloro-m-xylene [1]		93.2	30-150					8/28/18 4:06	
Tetrachloro-m-xylene [2]		101	30-150					8/28/18 4:06	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-K-1 (9.5-11.5)

Sampled: 7/25/2018 14:07

Sample ID: 18G1120-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.3		% Wt	1		SM 2540G	8/7/18	8/8/18 7:26	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-K-1 (3.5-5.5)

Sampled: 7/25/2018 13:49

Sample ID: 18G1120-05

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	8/5/18	8/28/18 12:56	KAL
Aroclor-1221 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	8/5/18	8/28/18 12:56	KAL
Aroclor-1232 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	8/5/18	8/28/18 12:56	KAL
Aroclor-1242 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	8/5/18	8/28/18 12:56	KAL
Aroclor-1248 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	8/5/18	8/28/18 12:56	KAL
Aroclor-1254 [2]	1.4	0.18	mg/Kg dry	8		SW-846 8082A	8/5/18	8/28/18 12:56	KAL
Aroclor-1260 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	8/5/18	8/28/18 12:56	KAL
Aroclor-1262 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	8/5/18	8/28/18 12:56	KAL
Aroclor-1268 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	8/5/18	8/28/18 12:56	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		90.0	30-150					8/28/18 12:56	
Decachlorobiphenyl [2]		104	30-150					8/28/18 12:56	
Tetrachloro-m-xylene [1]		91.4	30-150					8/28/18 12:56	
Tetrachloro-m-xylene [2]		97.5	30-150					8/28/18 12:56	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-K-1 (3.5-5.5)

Sampled: 7/25/2018 13:49

Sample ID: 18G1120-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.7		% Wt	1		SM 2540G	8/7/18	8/8/18 7:26	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-K-9 (5.5-7.5)

Sampled: 7/25/2018 13:50

Sample ID: 18G1120-06

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 4:40	KAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 4:40	KAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 4:40	KAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 4:40	KAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 4:40	KAL
Aroclor-1254 [2]	0.77	0.090	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 4:40	KAL
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 4:40	KAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 4:40	KAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 4:40	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		81.1	30-150					8/28/18 4:40	
Decachlorobiphenyl [2]		104	30-150					8/28/18 4:40	
Tetrachloro-m-xylene [1]		79.1	30-150					8/28/18 4:40	
Tetrachloro-m-xylene [2]		83.6	30-150					8/28/18 4:40	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-K-9 (5.5-7.5)

Sampled: 7/25/2018 13:50

Sample ID: 18G1120-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.8		% Wt	1		SM 2540G	8/7/18	8/8/18 7:27	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-K-9 (9.5-11.5)

Sampled: 7/25/2018 13:51

Sample ID: 18G1120-07

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 4:57	KAL
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 4:57	KAL
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 4:57	KAL
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 4:57	KAL
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 4:57	KAL
Aroclor-1254 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 4:57	KAL
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 4:57	KAL
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 4:57	KAL
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 4:57	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		85.6	30-150					8/28/18 4:57	
Decachlorobiphenyl [2]		89.7	30-150					8/28/18 4:57	
Tetrachloro-m-xylene [1]		81.3	30-150					8/28/18 4:57	
Tetrachloro-m-xylene [2]		89.6	30-150					8/28/18 4:57	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-K-9 (9.5-11.5)

Sampled: 7/25/2018 13:51

Sample ID: 18G1120-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.5		% Wt	1		SM 2540G	8/7/18	8/8/18 7:27	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-1-1 (0-0.5)

Sampled: 7/26/2018 09:00

Sample ID: 18G1120-08

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 15:51	WAL
Aroclor-1221 [1]	ND	0.99	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 15:51	WAL
Aroclor-1232 [1]	ND	0.99	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 15:51	WAL
Aroclor-1242 [1]	ND	0.99	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 15:51	WAL
Aroclor-1248 [1]	ND	0.99	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 15:51	WAL
Aroclor-1254 [2]	6.9	0.99	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 15:51	WAL
Aroclor-1260 [1]	ND	0.99	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 15:51	WAL
Aroclor-1262 [1]	ND	0.99	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 15:51	WAL
Aroclor-1268 [1]	ND	0.99	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 15:51	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/21/18 15:51	
Decachlorobiphenyl [2]		*	30-150		S-01			8/21/18 15:51	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/21/18 15:51	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/21/18 15:51	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-I-1 (0-0.5)

Sampled: 7/26/2018 09:00

Sample ID: 18G1120-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.8		% Wt	1		SM 2540G	8/7/18	8/8/18 7:27	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-1-1 (0.5-1.5)

Sampled: 7/26/2018 09:01

Sample ID: 18G1120-09

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.98	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 16:09	WAL
Aroclor-1221 [1]	ND	0.98	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 16:09	WAL
Aroclor-1232 [1]	ND	0.98	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 16:09	WAL
Aroclor-1242 [1]	ND	0.98	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 16:09	WAL
Aroclor-1248 [1]	ND	0.98	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 16:09	WAL
Aroclor-1254 [2]	9.8	0.98	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 16:09	WAL
Aroclor-1260 [1]	ND	0.98	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 16:09	WAL
Aroclor-1262 [1]	ND	0.98	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 16:09	WAL
Aroclor-1268 [1]	ND	0.98	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 16:09	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/21/18 16:09	
Decachlorobiphenyl [2]		*	30-150		S-01			8/21/18 16:09	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/21/18 16:09	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/21/18 16:09	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-I-1 (0.5-1.5)

Sampled: 7/26/2018 09:01

Sample ID: 18G1120-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.5		% Wt	1		SM 2540G	8/7/18	8/8/18 7:27	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-I-1 (1.5-2.5)

Sampled: 7/26/2018 09:02

Sample ID: 18G1120-10

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 16:26	WAL
Aroclor-1221 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 16:26	WAL
Aroclor-1232 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 16:26	WAL
Aroclor-1242 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 16:26	WAL
Aroclor-1248 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 16:26	WAL
Aroclor-1254 [2]	8.0	0.92	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 16:26	WAL
Aroclor-1260 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 16:26	WAL
Aroclor-1262 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 16:26	WAL
Aroclor-1268 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	8/5/18	8/21/18 16:26	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/21/18 16:26	
Decachlorobiphenyl [2]		*	30-150		S-01			8/21/18 16:26	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/21/18 16:26	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/21/18 16:26	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-I-1 (1.5-2.5)

Sampled: 7/26/2018 09:02

Sample ID: 18G1120-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.6		% Wt	1		SM 2540G	8/7/18	8/8/18 7:27	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-I-1 (2.5-3.5)

Sampled: 7/26/2018 09:03

Sample ID: 18G1120-11

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/5/18	8/21/18 16:44	WAL
Aroclor-1221 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/5/18	8/21/18 16:44	WAL
Aroclor-1232 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/5/18	8/21/18 16:44	WAL
Aroclor-1242 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/5/18	8/21/18 16:44	WAL
Aroclor-1248 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/5/18	8/21/18 16:44	WAL
Aroclor-1254 [1]	0.24	0.096	mg/Kg dry	4		SW-846 8082A	8/5/18	8/21/18 16:44	WAL
Aroclor-1260 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/5/18	8/21/18 16:44	WAL
Aroclor-1262 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/5/18	8/21/18 16:44	WAL
Aroclor-1268 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/5/18	8/21/18 16:44	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		77.7	30-150					8/21/18 16:44	
Decachlorobiphenyl [2]		111	30-150					8/21/18 16:44	
Tetrachloro-m-xylene [1]		75.3	30-150					8/21/18 16:44	
Tetrachloro-m-xylene [2]		75.7	30-150					8/21/18 16:44	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-I-1 (2.5-3.5)

Sampled: 7/26/2018 09:03

Sample ID: 18G1120-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.1		% Wt	1		SM 2540G	8/7/18	8/8/18 7:28	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-I-1 (3.5-5.)

Sampled: 7/26/2018 09:04

Sample ID: 18G1120-12

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.19	mg/Kg dry	8		SW-846 8082A	8/5/18	8/28/18 13:13	KAL
Aroclor-1221 [1]	ND	0.19	mg/Kg dry	8		SW-846 8082A	8/5/18	8/28/18 13:13	KAL
Aroclor-1232 [1]	ND	0.19	mg/Kg dry	8		SW-846 8082A	8/5/18	8/28/18 13:13	KAL
Aroclor-1242 [1]	ND	0.19	mg/Kg dry	8		SW-846 8082A	8/5/18	8/28/18 13:13	KAL
Aroclor-1248 [1]	ND	0.19	mg/Kg dry	8		SW-846 8082A	8/5/18	8/28/18 13:13	KAL
Aroclor-1254 [2]	1.4	0.19	mg/Kg dry	8		SW-846 8082A	8/5/18	8/28/18 13:13	KAL
Aroclor-1260 [1]	ND	0.19	mg/Kg dry	8		SW-846 8082A	8/5/18	8/28/18 13:13	KAL
Aroclor-1262 [1]	ND	0.19	mg/Kg dry	8		SW-846 8082A	8/5/18	8/28/18 13:13	KAL
Aroclor-1268 [1]	ND	0.19	mg/Kg dry	8		SW-846 8082A	8/5/18	8/28/18 13:13	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		78.2	30-150					8/28/18 13:13	
Decachlorobiphenyl [2]		110	30-150					8/28/18 13:13	
Tetrachloro-m-xylene [1]		75.6	30-150					8/28/18 13:13	
Tetrachloro-m-xylene [2]		80.7	30-150					8/28/18 13:13	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-I-1 (3.5-5.)

Sampled: 7/26/2018 09:04

Sample ID: 18G1120-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.5		% Wt	1		SM 2540G	8/7/18	8/8/18 7:28	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-O-11 (3.5-5.)

Sampled: 7/24/2018 14:19

Sample ID: 18G1120-13

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 5:32	KAL
Aroclor-1221 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 5:32	KAL
Aroclor-1232 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 5:32	KAL
Aroclor-1242 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 5:32	KAL
Aroclor-1248 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 5:32	KAL
Aroclor-1254 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 5:32	KAL
Aroclor-1260 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 5:32	KAL
Aroclor-1262 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 5:32	KAL
Aroclor-1268 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 5:32	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		74.2	30-150					8/28/18 5:32	
Decachlorobiphenyl [2]		95.0	30-150					8/28/18 5:32	
Tetrachloro-m-xylene [1]		81.5	30-150					8/28/18 5:32	
Tetrachloro-m-xylene [2]		85.4	30-150					8/28/18 5:32	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-O-11 (3.5-5.)

Sampled: 7/24/2018 14:19

Sample ID: 18G1120-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.7		% Wt	1		SM 2540G	8/7/18	8/8/18 7:28	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-O-11 (5.5-7.5)

Sampled: 7/24/2018 14:20

Sample ID: 18G1120-14

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 5:49	KAL
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 5:49	KAL
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 5:49	KAL
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 5:49	KAL
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 5:49	KAL
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 5:49	KAL
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 5:49	KAL
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 5:49	KAL
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 5:49	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		87.5	30-150					8/28/18 5:49	
Decachlorobiphenyl [2]		91.9	30-150					8/28/18 5:49	
Tetrachloro-m-xylene [1]		85.1	30-150					8/28/18 5:49	
Tetrachloro-m-xylene [2]		93.4	30-150					8/28/18 5:49	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-O-11 (5.5-7.5)

Sampled: 7/24/2018 14:20

Sample ID: 18G1120-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.9		% Wt	1		SM 2540G	8/7/18	8/8/18 7:28	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-O-8 (3.5-5.)

Sampled: 7/24/2018 13:09

Sample ID: 18G1120-15

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 6:55	KAL
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 6:55	KAL
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 6:55	KAL
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 6:55	KAL
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 6:55	KAL
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 6:55	KAL
Aroclor-1260 [1]	0.14	0.089	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 6:55	KAL
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 6:55	KAL
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 6:55	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	97.2		30-150			8/28/18 6:55			
<b>Decachlorobiphenyl [2]</b>	<b>161 *</b>		30-150		S-02	8/28/18 6:55			
Tetrachloro-m-xylene [1]	86.2		30-150			8/28/18 6:55			
Tetrachloro-m-xylene [2]	88.3		30-150			8/28/18 6:55			



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-O-8 (3.5-5.)

Sampled: 7/24/2018 13:09

Sample ID: 18G1120-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.8		% Wt	1		SM 2540G	8/7/18	8/8/18 7:28	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-O-8 (5.5-7.5)

Sampled: 7/24/2018 13:10

Sample ID: 18G1120-16

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 7:12	KAL
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 7:12	KAL
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 7:12	KAL
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 7:12	KAL
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 7:12	KAL
Aroclor-1254 [2]	0.15	0.088	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 7:12	KAL
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 7:12	KAL
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 7:12	KAL
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 7:12	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		75.8	30-150					8/28/18 7:12	
Decachlorobiphenyl [2]		97.1	30-150					8/28/18 7:12	
Tetrachloro-m-xylene [1]		78.3	30-150					8/28/18 7:12	
Tetrachloro-m-xylene [2]		79.8	30-150					8/28/18 7:12	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-O-8 (5.5-7.5)

Sampled: 7/24/2018 13:10

Sample ID: 18G1120-16

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.1		% Wt	1		SM 2540G	8/7/18	8/8/18 7:28	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-O-8 (7.5-9.5)

Sampled: 7/24/2018 13:11

Sample ID: 18G1120-17

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 7:30	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 7:30	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 7:30	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 7:30	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 7:30	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 7:30	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 7:30	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 7:30	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 7:30	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		71.3	30-150					8/28/18 7:30	
Decachlorobiphenyl [2]		107	30-150					8/28/18 7:30	
Tetrachloro-m-xylene [1]		64.2	30-150					8/28/18 7:30	
Tetrachloro-m-xylene [2]		68.0	30-150					8/28/18 7:30	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-O-8 (7.5-9.5)

Sampled: 7/24/2018 13:11

Sample ID: 18G1120-17

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	75.2		% Wt	1		SM 2540G	8/7/18	8/8/18 7:28	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-O-8 (9.5-11.5)

Sampled: 7/24/2018 13:12

Sample ID: 18G1120-18

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 7:47	KAL
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 7:47	KAL
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 7:47	KAL
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 7:47	KAL
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 7:47	KAL
Aroclor-1254 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 7:47	KAL
Aroclor-1260 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 7:47	KAL
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 7:47	KAL
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 7:47	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		76.1	30-150					8/28/18 7:47	
Decachlorobiphenyl [2]		102	30-150					8/28/18 7:47	
Tetrachloro-m-xylene [1]		80.1	30-150					8/28/18 7:47	
Tetrachloro-m-xylene [2]		83.9	30-150					8/28/18 7:47	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-O-8 (9.5-11.5)

Sampled: 7/24/2018 13:12

Sample ID: 18G1120-18

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.4		% Wt	1		SM 2540G	8/7/18	8/8/18 7:28	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-I-1 (5.5-7.5)

Sampled: 7/26/2018 09:05

Sample ID: 18G1120-19

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	8/5/18	8/28/18 13:30	KAL
Aroclor-1221 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	8/5/18	8/28/18 13:30	KAL
Aroclor-1232 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	8/5/18	8/28/18 13:30	KAL
Aroclor-1242 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	8/5/18	8/28/18 13:30	KAL
Aroclor-1248 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	8/5/18	8/28/18 13:30	KAL
Aroclor-1254 [2]	3.9	0.49	mg/Kg dry	20		SW-846 8082A	8/5/18	8/28/18 13:30	KAL
Aroclor-1260 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	8/5/18	8/28/18 13:30	KAL
Aroclor-1262 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	8/5/18	8/28/18 13:30	KAL
Aroclor-1268 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	8/5/18	8/28/18 13:30	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		90.2	30-150					8/28/18 13:30	
Decachlorobiphenyl [2]		101	30-150					8/28/18 13:30	
Tetrachloro-m-xylene [1]		84.0	30-150					8/28/18 13:30	
Tetrachloro-m-xylene [2]		94.3	30-150					8/28/18 13:30	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-I-1 (5.5-7.5)

Sampled: 7/26/2018 09:05

Sample ID: 18G1120-19

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.3		% Wt	1		SM 2540G	8/7/18	8/8/18 7:29	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-I-1 (7.5-9.5)

Sampled: 7/26/2018 09:06

Sample ID: 18G1120-20

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 8:22	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 8:22	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 8:22	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 8:22	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 8:22	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 8:22	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 8:22	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 8:22	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/5/18	8/28/18 8:22	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		77.8	30-150					8/28/18 8:22	
Decachlorobiphenyl [2]		90.0	30-150					8/28/18 8:22	
Tetrachloro-m-xylene [1]		88.3	30-150					8/28/18 8:22	
Tetrachloro-m-xylene [2]		96.6	30-150					8/28/18 8:22	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-I-1 (7.5-9.5)

Sampled: 7/26/2018 09:06

Sample ID: 18G1120-20

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	77.9		% Wt	1		SM 2540G	8/7/18	8/8/18 7:29	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-1-1 (9.5-11.5)

Sampled: 7/26/2018 09:07

Sample ID: 18G1120-21

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 11:19	KAL
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 11:19	KAL
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 11:19	KAL
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 11:19	KAL
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 11:19	KAL
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 11:19	KAL
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 11:19	KAL
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 11:19	KAL
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 11:19	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		67.7	30-150					8/25/18 11:19	
Decachlorobiphenyl [2]		76.6	30-150					8/25/18 11:19	
Tetrachloro-m-xylene [1]		80.6	30-150					8/25/18 11:19	
Tetrachloro-m-xylene [2]		83.3	30-150					8/25/18 11:19	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-1-1 (9.5-11.5)

Sampled: 7/26/2018 09:07

Sample ID: 18G1120-21

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.1		% Wt	1		SM 2540G	8/7/18	8/8/18 7:29	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-1-3 (3.5-5.5)

Sampled: 7/26/2018 09:39

Sample ID: 18G1120-22

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	8/6/18	8/26/18 11:03	KAL
Aroclor-1221 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	8/6/18	8/26/18 11:03	KAL
Aroclor-1232 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	8/6/18	8/26/18 11:03	KAL
Aroclor-1242 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	8/6/18	8/26/18 11:03	KAL
Aroclor-1248 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	8/6/18	8/26/18 11:03	KAL
Aroclor-1254 [2]	1.3	0.18	mg/Kg dry	8		SW-846 8082A	8/6/18	8/26/18 11:03	KAL
Aroclor-1260 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	8/6/18	8/26/18 11:03	KAL
Aroclor-1262 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	8/6/18	8/26/18 11:03	KAL
Aroclor-1268 [1]	ND	0.18	mg/Kg dry	8		SW-846 8082A	8/6/18	8/26/18 11:03	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		93.1	30-150					8/26/18 11:03	
Decachlorobiphenyl [2]		105	30-150					8/26/18 11:03	
Tetrachloro-m-xylene [1]		86.5	30-150					8/26/18 11:03	
Tetrachloro-m-xylene [2]		90.5	30-150					8/26/18 11:03	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-1-3 (3.5-5.5)

Sampled: 7/26/2018 09:39

Sample ID: 18G1120-22

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.8		% Wt	1		SM 2540G	8/7/18	8/8/18 7:29	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-1-3 (5.5-7.5)

Sampled: 7/26/2018 09:40

Sample ID: 18G1120-23

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 11:54	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 11:54	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 11:54	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 11:54	KAL
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 11:54	KAL
Aroclor-1254 [2]	0.15	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 11:54	KAL
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 11:54	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 11:54	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 11:54	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		80.4	30-150					8/25/18 11:54	
Decachlorobiphenyl [2]		85.5	30-150					8/25/18 11:54	
Tetrachloro-m-xylene [1]		81.1	30-150					8/25/18 11:54	
Tetrachloro-m-xylene [2]		85.7	30-150					8/25/18 11:54	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-1-3 (5.5-7.5)

Sampled: 7/26/2018 09:40

Sample ID: 18G1120-23

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.2		% Wt	1		SM 2540G	8/7/18	8/8/18 7:29	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-1-3 (7.5-9.5)

Sampled: 7/26/2018 09:41

Sample ID: 18G1120-24

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 12:11	KAL
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 12:11	KAL
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 12:11	KAL
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 12:11	KAL
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 12:11	KAL
Aroclor-1254 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 12:11	KAL
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 12:11	KAL
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 12:11	KAL
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 12:11	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		78.7	30-150					8/25/18 12:11	
Decachlorobiphenyl [2]		83.1	30-150					8/25/18 12:11	
Tetrachloro-m-xylene [1]		78.5	30-150					8/25/18 12:11	
Tetrachloro-m-xylene [2]		84.8	30-150					8/25/18 12:11	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-1-3 (7.5-9.5)

Sampled: 7/26/2018 09:41

Sample ID: 18G1120-24

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	22	0.61	mg/Kg dry	1		SW-846 6010D	8/31/18	9/2/18 12:38	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-1-3 (7.5-9.5)

Sampled: 7/26/2018 09:41

Sample ID: 18G1120-24

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.3		% Wt	1		SM 2540G	8/7/18	8/8/18 7:30	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-I-5 (3.5-5.5)

Sampled: 7/26/2018 09:54

Sample ID: 18G1120-25

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 12:28	KAL
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 12:28	KAL
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 12:28	KAL
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 12:28	KAL
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 12:28	KAL
Aroclor-1254 [2]	0.33	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 12:28	KAL
Aroclor-1260 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 12:28	KAL
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 12:28	KAL
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 12:28	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		52.9	30-150					8/25/18 12:28	
Decachlorobiphenyl [2]		126	30-150					8/25/18 12:28	
Tetrachloro-m-xylene [1]		46.8	30-150					8/25/18 12:28	
Tetrachloro-m-xylene [2]		49.1	30-150					8/25/18 12:28	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-I-5 (3.5-5.5)

Sampled: 7/26/2018 09:54

Sample ID: 18G1120-25

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.8		% Wt	1		SM 2540G	8/7/18	8/8/18 7:30	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-I-5 (5.5-7.5)

Sampled: 7/26/2018 09:55

Sample ID: 18G1120-26

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 12:45	KAL
Aroclor-1221 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 12:45	KAL
Aroclor-1232 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 12:45	KAL
Aroclor-1242 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 12:45	KAL
Aroclor-1248 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 12:45	KAL
Aroclor-1254 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 12:45	KAL
Aroclor-1260 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 12:45	KAL
Aroclor-1262 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 12:45	KAL
Aroclor-1268 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 12:45	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		86.4	30-150					8/25/18 12:45	
Decachlorobiphenyl [2]		90.9	30-150					8/25/18 12:45	
Tetrachloro-m-xylene [1]		82.5	30-150					8/25/18 12:45	
Tetrachloro-m-xylene [2]		87.4	30-150					8/25/18 12:45	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-I-5 (5.5-7.5)

Sampled: 7/26/2018 09:55

Sample ID: 18G1120-26

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.9		% Wt	1		SM 2540G	8/7/18	8/8/18 7:30	CLA



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-1-5 (7.5-9.5)

Sampled: 7/26/2018 09:56

Sample ID: 18G1120-27

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 13:03	KAL
Aroclor-1221 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 13:03	KAL
Aroclor-1232 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 13:03	KAL
Aroclor-1242 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 13:03	KAL
Aroclor-1248 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 13:03	KAL
Aroclor-1254 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 13:03	KAL
Aroclor-1260 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 13:03	KAL
Aroclor-1262 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 13:03	KAL
Aroclor-1268 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 13:03	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		98.6	30-150					8/25/18 13:03	
Decachlorobiphenyl [2]		103	30-150					8/25/18 13:03	
Tetrachloro-m-xylene [1]		90.8	30-150					8/25/18 13:03	
Tetrachloro-m-xylene [2]		97.7	30-150					8/25/18 13:03	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-I-5 (7.5-9.5)

Sampled: 7/26/2018 09:56

Sample ID: 18G1120-27

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.4		% Wt	1		SM 2540G	8/7/18	8/8/18 7:30	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-1-5 (9.5-11.5)

Sampled: 7/26/2018 09:57

Sample ID: 18G1120-28

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 13:20	KAL
Aroclor-1221 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 13:20	KAL
Aroclor-1232 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 13:20	KAL
Aroclor-1242 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 13:20	KAL
Aroclor-1248 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 13:20	KAL
Aroclor-1254 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 13:20	KAL
Aroclor-1260 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 13:20	KAL
Aroclor-1262 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 13:20	KAL
Aroclor-1268 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 13:20	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		98.5	30-150					8/25/18 13:20	
Decachlorobiphenyl [2]		104	30-150					8/25/18 13:20	
Tetrachloro-m-xylene [1]		94.6	30-150					8/25/18 13:20	
Tetrachloro-m-xylene [2]		101	30-150					8/25/18 13:20	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-I-5 (9.5-11.5)

Sampled: 7/26/2018 09:57

Sample ID: 18G1120-28

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.2		% Wt	1		SM 2540G	8/7/18	8/8/18 7:30	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-I-5 (11.5-13.5)

Sampled: 7/26/2018 09:58

Sample ID: 18G1120-29

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 13:37	KAL
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 13:37	KAL
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 13:37	KAL
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 13:37	KAL
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 13:37	KAL
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 13:37	KAL
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 13:37	KAL
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 13:37	KAL
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 13:37	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		103	30-150					8/25/18 13:37	
Decachlorobiphenyl [2]		109	30-150					8/25/18 13:37	
Tetrachloro-m-xylene [1]		98.9	30-150					8/25/18 13:37	
Tetrachloro-m-xylene [2]		105	30-150					8/25/18 13:37	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-I-5 (11.5-13.5)

Sampled: 7/26/2018 09:58

Sample ID: 18G1120-29

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.3		% Wt	1		SM 2540G	8/7/18	8/8/18 7:30	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-1-7 (3.5-5.)

Sampled: 7/26/2018 10:19

Sample ID: 18G1120-30

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 14:41	KAL
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 14:41	KAL
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 14:41	KAL
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 14:41	KAL
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 14:41	KAL
Aroclor-1254 [2]	0.50	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 14:41	KAL
Aroclor-1260 [2]	0.11	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 14:41	KAL
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 14:41	KAL
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 14:41	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		101	30-150					8/25/18 14:41	
Decachlorobiphenyl [2]		118	30-150					8/25/18 14:41	
Tetrachloro-m-xylene [1]		98.8	30-150					8/25/18 14:41	
Tetrachloro-m-xylene [2]		101	30-150					8/25/18 14:41	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-1-7 (3.5-5.)

Sampled: 7/26/2018 10:19

Sample ID: 18G1120-30

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.3		% Wt	1		SM 2540G	8/7/18	8/8/18 7:30	CLA



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-1-7 (5.5-7.5)

Sampled: 7/26/2018 10:20

Sample ID: 18G1120-31

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 14:58	KAL
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 14:58	KAL
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 14:58	KAL
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 14:58	KAL
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 14:58	KAL
Aroclor-1254 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 14:58	KAL
Aroclor-1260 [2]	0.24	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 14:58	KAL
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 14:58	KAL
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 14:58	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		91.7	30-150					8/25/18 14:58	
Decachlorobiphenyl [2]		130	30-150					8/25/18 14:58	
Tetrachloro-m-xylene [1]		88.7	30-150					8/25/18 14:58	
Tetrachloro-m-xylene [2]		90.7	30-150					8/25/18 14:58	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-1-7 (5.5-7.5)

Sampled: 7/26/2018 10:20

Sample ID: 18G1120-31

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.9		% Wt	1		SM 2540G	8/7/18	8/8/18 7:31	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-1-9 (3.5-5.5)

Sampled: 7/26/2018 11:34

Sample ID: 18G1120-32

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 15:15	KAL
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 15:15	KAL
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 15:15	KAL
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 15:15	KAL
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 15:15	KAL
Aroclor-1254 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 15:15	KAL
Aroclor-1260 [2]	0.22	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 15:15	KAL
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 15:15	KAL
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 15:15	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	96.5		30-150			8/25/18 15:15			
<b>Decachlorobiphenyl [2]</b>	<b>159 *</b>		30-150		S-02	8/25/18 15:15			
Tetrachloro-m-xylene [1]	94.8		30-150			8/25/18 15:15			
Tetrachloro-m-xylene [2]	98.3		30-150			8/25/18 15:15			

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-1-9 (3.5-5.5)

Sampled: 7/26/2018 11:34

Sample ID: 18G1120-32

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.3		% Wt	1		SM 2540G	8/7/18	8/8/18 7:31	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-1-9 (5.5-7.5)

Sampled: 7/26/2018 11:35

Sample ID: 18G1120-33

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 15:33	KAL
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 15:33	KAL
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 15:33	KAL
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 15:33	KAL
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 15:33	KAL
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 15:33	KAL
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 15:33	KAL
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 15:33	KAL
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 15:33	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		89.7	30-150					8/25/18 15:33	
Decachlorobiphenyl [2]		96.0	30-150					8/25/18 15:33	
Tetrachloro-m-xylene [1]		96.5	30-150					8/25/18 15:33	
Tetrachloro-m-xylene [2]		101	30-150					8/25/18 15:33	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-1-9 (5.5-7.5)

Sampled: 7/26/2018 11:35

Sample ID: 18G1120-33

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.9		% Wt	1		SM 2540G	8/7/18	8/8/18 7:31	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-1-9 (7.5-9.5)

Sampled: 7/26/2018 11:36

Sample ID: 18G1120-34

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 15:50	KAL
Aroclor-1221 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 15:50	KAL
Aroclor-1232 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 15:50	KAL
Aroclor-1242 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 15:50	KAL
Aroclor-1248 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 15:50	KAL
Aroclor-1254 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 15:50	KAL
Aroclor-1260 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 15:50	KAL
Aroclor-1262 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 15:50	KAL
Aroclor-1268 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 15:50	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		94.1	30-150					8/25/18 15:50	
Decachlorobiphenyl [2]		98.2	30-150					8/25/18 15:50	
Tetrachloro-m-xylene [1]		96.9	30-150					8/25/18 15:50	
Tetrachloro-m-xylene [2]		104	30-150					8/25/18 15:50	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-1-9 (7.5-9.5)

Sampled: 7/26/2018 11:36

Sample ID: 18G1120-34

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.9		% Wt	1		SM 2540G	8/7/18	8/8/18 7:32	CLA



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-1-9 (9.5-11.5)

Sampled: 7/26/2018 11:37

Sample ID: 18G1120-35

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 16:07	KAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 16:07	KAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 16:07	KAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 16:07	KAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 16:07	KAL
Aroclor-1254 [2]	0.20	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 16:07	KAL
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 16:07	KAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 16:07	KAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 16:07	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.3	30-150					8/25/18 16:07	
Decachlorobiphenyl [2]		116	30-150					8/25/18 16:07	
Tetrachloro-m-xylene [1]		82.5	30-150					8/25/18 16:07	
Tetrachloro-m-xylene [2]		84.1	30-150					8/25/18 16:07	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-1-9 (9.5-11.5)

Sampled: 7/26/2018 11:37

Sample ID: 18G1120-35

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.0		% Wt	1		SM 2540G	8/7/18	8/8/18 7:32	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-1-9 (11.5-13.5)

Sampled: 7/26/2018 11:38

Sample ID: 18G1120-36

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 16:24	KAL
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 16:24	KAL
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 16:24	KAL
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 16:24	KAL
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 16:24	KAL
Aroclor-1254 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 16:24	KAL
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 16:24	KAL
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 16:24	KAL
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 16:24	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	77.7		30-150				8/25/18 16:24		
Decachlorobiphenyl [2]	93.6		30-150				8/25/18 16:24		
Tetrachloro-m-xylene [1]	90.5		30-150				8/25/18 16:24		
Tetrachloro-m-xylene [2]	86.7		30-150				8/25/18 16:24		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-1-9 (11.5-13.5)

Sampled: 7/26/2018 11:38

Sample ID: 18G1120-36

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.9		% Wt	1		SM 2540G	8/7/18	8/8/18 7:32	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-1-9 (13.5-15)

Sampled: 7/26/2018 11:39

Sample ID: 18G1120-37

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 16:42	KAL
Aroclor-1221 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 16:42	KAL
Aroclor-1232 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 16:42	KAL
Aroclor-1242 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 16:42	KAL
Aroclor-1248 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 16:42	KAL
Aroclor-1254 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 16:42	KAL
Aroclor-1260 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 16:42	KAL
Aroclor-1262 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 16:42	KAL
Aroclor-1268 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 16:42	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		91.1	30-150					8/25/18 16:42	
Decachlorobiphenyl [2]		97.1	30-150					8/25/18 16:42	
Tetrachloro-m-xylene [1]		94.9	30-150					8/25/18 16:42	
Tetrachloro-m-xylene [2]		101	30-150					8/25/18 16:42	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-1-9 (13.5-15)

Sampled: 7/26/2018 11:39

Sample ID: 18G1120-37

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.1		% Wt	1		SM 2540G	8/7/18	8/8/18 7:32	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-I-11 (3.5-5.5)

Sampled: 7/26/2018 11:44

Sample ID: 18G1120-38

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 16:59	KAL
Aroclor-1221 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 16:59	KAL
Aroclor-1232 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 16:59	KAL
Aroclor-1242 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 16:59	KAL
Aroclor-1248 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 16:59	KAL
Aroclor-1254 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 16:59	KAL
Aroclor-1260 [2]	0.087	0.081	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 16:59	KAL
Aroclor-1262 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 16:59	KAL
Aroclor-1268 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 16:59	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		90.2	30-150					8/25/18 16:59	
Decachlorobiphenyl [2]		122	30-150					8/25/18 16:59	
Tetrachloro-m-xylene [1]		89.0	30-150					8/25/18 16:59	
Tetrachloro-m-xylene [2]		92.7	30-150					8/25/18 16:59	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-I-11 (3.5-5.5)

Sampled: 7/26/2018 11:44

Sample ID: 18G1120-38

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.0		% Wt	1		SM 2540G	8/7/18	8/8/18 7:32	CLA



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-I-11 (5.5-7.5)

Sampled: 7/26/2018 11:45

Sample ID: 18G1120-39

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 17:16	KAL
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 17:16	KAL
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 17:16	KAL
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 17:16	KAL
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 17:16	KAL
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 17:16	KAL
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 17:16	KAL
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 17:16	KAL
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 17:16	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		82.8	30-150					8/25/18 17:16	
Decachlorobiphenyl [2]		112	30-150					8/25/18 17:16	
Tetrachloro-m-xylene [1]		87.4	30-150					8/25/18 17:16	
Tetrachloro-m-xylene [2]		90.3	30-150					8/25/18 17:16	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-I-11 (5.5-7.5)

Sampled: 7/26/2018 11:45

Sample ID: 18G1120-39

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.6		% Wt	1		SM 2540G	8/7/18	8/8/18 7:32	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-I-11 (7.5-9.5)

Sampled: 7/26/2018 11:46

Sample ID: 18G1120-40

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/6/18	8/25/18 17:33	KAL
Aroclor-1221 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/6/18	8/25/18 17:33	KAL
Aroclor-1232 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/6/18	8/25/18 17:33	KAL
Aroclor-1242 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/6/18	8/25/18 17:33	KAL
Aroclor-1248 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/6/18	8/25/18 17:33	KAL
Aroclor-1254 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/6/18	8/25/18 17:33	KAL
Aroclor-1260 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/6/18	8/25/18 17:33	KAL
Aroclor-1262 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/6/18	8/25/18 17:33	KAL
Aroclor-1268 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/6/18	8/25/18 17:33	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.3	30-150					8/25/18 17:33	
Decachlorobiphenyl [2]		99.8	30-150					8/25/18 17:33	
Tetrachloro-m-xylene [1]		90.1	30-150					8/25/18 17:33	
Tetrachloro-m-xylene [2]		95.8	30-150					8/25/18 17:33	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-I-11 (9.5-11.5)

Sampled: 7/26/2018 11:47

Sample ID: 18G1120-41

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 10:00	KAL
Aroclor-1221 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 10:00	KAL
Aroclor-1232 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 10:00	KAL
Aroclor-1242 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 10:00	KAL
Aroclor-1248 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 10:00	KAL
Aroclor-1254 [2]	0.54	0.083	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 10:00	KAL
Aroclor-1260 [2]	0.097	0.083	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 10:00	KAL
Aroclor-1262 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 10:00	KAL
Aroclor-1268 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 10:00	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		93.2	30-150					8/29/18 10:00	
Decachlorobiphenyl [2]		121	30-150					8/29/18 10:00	
Tetrachloro-m-xylene [1]		87.9	30-150					8/29/18 10:00	
Tetrachloro-m-xylene [2]		91.0	30-150					8/29/18 10:00	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-I-11 (9.5-11.5)

Sampled: 7/26/2018 11:47

Sample ID: 18G1120-41

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.6		% Wt	1		SM 2540G	8/7/18	8/8/18 7:32	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-I-11 (11.5-13.5)

Sampled: 7/26/2018 11:48

Sample ID: 18G1120-42

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 10:17	KAL
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 10:17	KAL
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 10:17	KAL
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 10:17	KAL
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 10:17	KAL
Aroclor-1254 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 10:17	KAL
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 10:17	KAL
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 10:17	KAL
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 10:17	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		80.7	30-150					8/29/18 10:17	
Decachlorobiphenyl [2]		109	30-150					8/29/18 10:17	
Tetrachloro-m-xylene [1]		89.4	30-150					8/29/18 10:17	
Tetrachloro-m-xylene [2]		93.3	30-150					8/29/18 10:17	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-I-11 (11.5-13.5)

Sampled: 7/26/2018 11:48

Sample ID: 18G1120-42

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	79.3		% Wt	1		SM 2540G	8/7/18	8/8/18 7:32	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-I-11 (13.5-15)

Sampled: 7/26/2018 11:49

Sample ID: 18G1120-43

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 10:35	KAL
Aroclor-1221 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 10:35	KAL
Aroclor-1232 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 10:35	KAL
Aroclor-1242 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 10:35	KAL
Aroclor-1248 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 10:35	KAL
Aroclor-1254 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 10:35	KAL
Aroclor-1260 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 10:35	KAL
Aroclor-1262 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 10:35	KAL
Aroclor-1268 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 10:35	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		92.0	30-150					8/29/18 10:35	
Decachlorobiphenyl [2]		98.4	30-150					8/29/18 10:35	
Tetrachloro-m-xylene [1]		87.7	30-150					8/29/18 10:35	
Tetrachloro-m-xylene [2]		97.9	30-150					8/29/18 10:35	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-I-11 (13.5-15)

Sampled: 7/26/2018 11:49

Sample ID: 18G1120-43

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	78.3		% Wt	1		SM 2540G	8/7/18	8/8/18 7:32	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-11 (3.5-5.5)

Sampled: 7/26/2018 12:09

Sample ID: 18G1120-44

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	8/6/18	8/29/18 18:33	KAL
Aroclor-1221 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	8/6/18	8/29/18 18:33	KAL
Aroclor-1232 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	8/6/18	8/29/18 18:33	KAL
Aroclor-1242 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	8/6/18	8/29/18 18:33	KAL
Aroclor-1248 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	8/6/18	8/29/18 18:33	KAL
Aroclor-1254 [2]	6.6	0.86	mg/Kg dry	40		SW-846 8082A	8/6/18	8/29/18 18:33	KAL
Aroclor-1260 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	8/6/18	8/29/18 18:33	KAL
Aroclor-1262 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	8/6/18	8/29/18 18:33	KAL
Aroclor-1268 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	8/6/18	8/29/18 18:33	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/29/18 18:33	
Decachlorobiphenyl [2]		*	30-150		S-01			8/29/18 18:33	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/29/18 18:33	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/29/18 18:33	

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-11 (3.5-5.5)

Sampled: 7/26/2018 12:09

Sample ID: 18G1120-44

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.1		% Wt	1		SM 2540G	8/7/18	8/8/18 7:33	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-11 (5.5-7.5)

Sampled: 7/26/2018 12:10

Sample ID: 18G1120-45

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 11:09	KAL
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 11:09	KAL
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 11:09	KAL
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 11:09	KAL
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 11:09	KAL
Aroclor-1254 [2]	0.55	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 11:09	KAL
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 11:09	KAL
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 11:09	KAL
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 11:09	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		81.4	30-150					8/29/18 11:09	
Decachlorobiphenyl [2]		94.6	30-150					8/29/18 11:09	
Tetrachloro-m-xylene [1]		90.2	30-150					8/29/18 11:09	
Tetrachloro-m-xylene [2]		97.3	30-150					8/29/18 11:09	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-11 (5.5-7.5)

Sampled: 7/26/2018 12:10

Sample ID: 18G1120-45

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.7		% Wt	1		SM 2540G	8/7/18	8/8/18 7:33	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-11 (7.5-9.5)

Sampled: 7/26/2018 12:11

Sample ID: 18G1120-46

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 11:27	KAL
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 11:27	KAL
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 11:27	KAL
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 11:27	KAL
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 11:27	KAL
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 11:27	KAL
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 11:27	KAL
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 11:27	KAL
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 11:27	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.6	30-150					8/29/18 11:27	
Decachlorobiphenyl [2]		105	30-150					8/29/18 11:27	
Tetrachloro-m-xylene [1]		90.9	30-150					8/29/18 11:27	
Tetrachloro-m-xylene [2]		97.2	30-150					8/29/18 11:27	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-11 (7.5-9.5)

Sampled: 7/26/2018 12:11

Sample ID: 18G1120-46

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.1		% Wt	1		SM 2540G	8/7/18	8/8/18 7:33	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-11 (9.5-11.5)

Sampled: 7/26/2018 12:12

Sample ID: 18G1120-47

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 11:44	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 11:44	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 11:44	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 11:44	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 11:44	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 11:44	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 11:44	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 11:44	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 11:44	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		87.4	30-150					8/29/18 11:44	
Decachlorobiphenyl [2]		144	30-150					8/29/18 11:44	
Tetrachloro-m-xylene [1]		89.3	30-150					8/29/18 11:44	
Tetrachloro-m-xylene [2]		90.6	30-150					8/29/18 11:44	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-11 (9.5-11.5)

Sampled: 7/26/2018 12:12

Sample ID: 18G1120-47

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	74.7		% Wt	1		SM 2540G	8/7/18	8/8/18 7:33	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-11 (11.5-13.5)

Sampled: 7/26/2018 12:13

Sample ID: 18G1120-48

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 12:01	KAL
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 12:01	KAL
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 12:01	KAL
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 12:01	KAL
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 12:01	KAL
Aroclor-1254 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 12:01	KAL
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 12:01	KAL
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 12:01	KAL
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 12:01	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		87.9	30-150					8/29/18 12:01	
Decachlorobiphenyl [2]		95.8	30-150					8/29/18 12:01	
Tetrachloro-m-xylene [1]		89.6	30-150					8/29/18 12:01	
Tetrachloro-m-xylene [2]		94.7	30-150					8/29/18 12:01	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-11 (11.5-13.5)

Sampled: 7/26/2018 12:13

Sample ID: 18G1120-48

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.2		% Wt	1		SM 2540G	8/7/18	8/8/18 7:33	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-11 (13.5-15.5)

Sampled: 7/26/2018 12:14

Sample ID: 18G1120-49

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 12:19	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 12:19	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 12:19	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 12:19	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 12:19	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 12:19	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 12:19	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 12:19	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 12:19	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		99.1	30-150					8/29/18 12:19	
Decachlorobiphenyl [2]		105	30-150					8/29/18 12:19	
Tetrachloro-m-xylene [1]		99.9	30-150					8/29/18 12:19	
Tetrachloro-m-xylene [2]		109	30-150					8/29/18 12:19	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-11 (13.5-15.5)

Sampled: 7/26/2018 12:14

Sample ID: 18G1120-49

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	77.3		% Wt	1		SM 2540G	8/7/18	8/8/18 7:34	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-9 (3.5-5.5)

Sampled: 7/26/2018 12:29

Sample ID: 18G1120-50

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 13:40	KAL
Aroclor-1221 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 13:40	KAL
Aroclor-1232 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 13:40	KAL
Aroclor-1242 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 13:40	KAL
Aroclor-1248 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 13:40	KAL
Aroclor-1254 [1]	0.10	0.095	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 13:40	KAL
Aroclor-1260 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 13:40	KAL
Aroclor-1262 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 13:40	KAL
Aroclor-1268 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 13:40	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	93.0		30-150			8/29/18 13:40			
<b>Decachlorobiphenyl [2]</b>	<b>178 *</b>		30-150		S-02	8/29/18 13:40			
Tetrachloro-m-xylene [1]	86.7		30-150			8/29/18 13:40			
Tetrachloro-m-xylene [2]	89.4		30-150			8/29/18 13:40			

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-9 (3.5-5.5)

Sampled: 7/26/2018 12:29

Sample ID: 18G1120-50

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.4		% Wt	1		SM 2540G	8/7/18	8/8/18 7:34	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-9 (5.5-7.5)

Sampled: 7/26/2018 12:30

Sample ID: 18G1120-51

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 13:58	KAL
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 13:58	KAL
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 13:58	KAL
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 13:58	KAL
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 13:58	KAL
Aroclor-1254 [2]	0.71	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 13:58	KAL
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 13:58	KAL
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 13:58	KAL
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 13:58	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	115		30-150			8/29/18 13:58			
<b>Decachlorobiphenyl [2]</b>	<b>246 *</b>		30-150		S-02	8/29/18 13:58			
Tetrachloro-m-xylene [1]	68.0		30-150			8/29/18 13:58			
Tetrachloro-m-xylene [2]	72.5		30-150			8/29/18 13:58			



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-9 (5.5-7.5)

Sampled: 7/26/2018 12:30

Sample ID: 18G1120-51

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.3		% Wt	1		SM 2540G	8/7/18	8/8/18 7:35	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-9 (7.5-9.5)

Sampled: 7/26/2018 12:31

Sample ID: 18G1120-52

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 14:15	KAL
Aroclor-1221 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 14:15	KAL
Aroclor-1232 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 14:15	KAL
Aroclor-1242 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 14:15	KAL
Aroclor-1248 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 14:15	KAL
Aroclor-1254 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 14:15	KAL
Aroclor-1260 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 14:15	KAL
Aroclor-1262 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 14:15	KAL
Aroclor-1268 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 14:15	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	85.7		30-150			8/29/18 14:15			
<b>Decachlorobiphenyl [2]</b>	<b>160 *</b>		30-150		S-02	8/29/18 14:15			
Tetrachloro-m-xylene [1]	79.7		30-150			8/29/18 14:15			
Tetrachloro-m-xylene [2]	83.6		30-150			8/29/18 14:15			

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-9 (7.5-9.5)

Sampled: 7/26/2018 12:31

Sample ID: 18G1120-52

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.8		% Wt	1		SM 2540G	8/7/18	8/8/18 7:35	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-9 (9.5-11.5)

Sampled: 7/26/2018 12:33

Sample ID: 18G1120-53

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 14:32	KAL
Aroclor-1221 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 14:32	KAL
Aroclor-1232 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 14:32	KAL
Aroclor-1242 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 14:32	KAL
Aroclor-1248 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 14:32	KAL
Aroclor-1254 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 14:32	KAL
Aroclor-1260 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 14:32	KAL
Aroclor-1262 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 14:32	KAL
Aroclor-1268 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 14:32	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		89.3	30-150					8/29/18 14:32	
Decachlorobiphenyl [2]		112	30-150					8/29/18 14:32	
Tetrachloro-m-xylene [1]		86.1	30-150					8/29/18 14:32	
Tetrachloro-m-xylene [2]		91.2	30-150					8/29/18 14:32	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-9 (9.5-11.5)

Sampled: 7/26/2018 12:33

Sample ID: 18G1120-53

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	990	0.57	mg/Kg dry	1		SW-846 6010D	8/31/18	9/2/18 12:43	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-9 (9.5-11.5)

Sampled: 7/26/2018 12:33

Sample ID: 18G1120-53

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.4		% Wt	1		SM 2540G	8/7/18	8/8/18 7:35	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-7 (3.5-5.5)

Sampled: 7/26/2018 12:39

Sample ID: 18G1120-54

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 4:40	KAL
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 4:40	KAL
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 4:40	KAL
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 4:40	KAL
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 4:40	KAL
Aroclor-1254 [2]	0.30	0.091	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 4:40	KAL
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 4:40	KAL
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 4:40	KAL
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 4:40	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		82.4	30-150					8/11/18 4:40	
Decachlorobiphenyl [2]		90.4	30-150					8/11/18 4:40	
Tetrachloro-m-xylene [1]		89.2	30-150					8/11/18 4:40	
Tetrachloro-m-xylene [2]		91.0	30-150					8/11/18 4:40	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-7 (3.5-5.5)

Sampled: 7/26/2018 12:39

Sample ID: 18G1120-54

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.2		% Wt	1		SM 2540G	8/7/18	8/8/18 7:35	CLA



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-7 (5.5-7.5)

Sampled: 7/26/2018 12:40

Sample ID: 18G1120-55

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 4:58	KAL
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 4:58	KAL
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 4:58	KAL
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 4:58	KAL
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 4:58	KAL
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 4:58	KAL
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 4:58	KAL
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 4:58	KAL
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 4:58	KAL
Surrogates	% Recovery		Recovery Limits	Flag/Qual					
Decachlorobiphenyl [1]	76.2		30-150			8/11/18 4:58			
Decachlorobiphenyl [2]	86.2		30-150			8/11/18 4:58			
Tetrachloro-m-xylene [1]	79.1		30-150			8/11/18 4:58			
Tetrachloro-m-xylene [2]	80.7		30-150			8/11/18 4:58			

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-7 (5.5-7.5)

Sampled: 7/26/2018 12:40

Sample ID: 18G1120-55

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.0		% Wt	1		SM 2540G	8/7/18	8/8/18 7:35	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-7 (7.5-9.5)

Sampled: 7/26/2018 12:41

Sample ID: 18G1120-56

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 14:50	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 14:50	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 14:50	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 14:50	KAL
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 14:50	KAL
Aroclor-1254 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 14:50	KAL
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 14:50	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 14:50	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 14:50	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		99.8	30-150					8/29/18 14:50	
Decachlorobiphenyl [2]		107	30-150					8/29/18 14:50	
Tetrachloro-m-xylene [1]		95.3	30-150					8/29/18 14:50	
Tetrachloro-m-xylene [2]		105	30-150					8/29/18 14:50	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-7 (7.5-9.5)

Sampled: 7/26/2018 12:41

Sample ID: 18G1120-56

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.7		% Wt	1		SM 2540G	8/7/18	8/8/18 7:36	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-7 (9.5-11.5)

Sampled: 7/26/2018 12:42

Sample ID: 18G1120-57

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 15:07	KAL
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 15:07	KAL
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 15:07	KAL
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 15:07	KAL
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 15:07	KAL
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 15:07	KAL
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 15:07	KAL
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 15:07	KAL
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 15:07	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		78.5	30-150					8/29/18 15:07	
Decachlorobiphenyl [2]		90.9	30-150					8/29/18 15:07	
Tetrachloro-m-xylene [1]		92.3	30-150					8/29/18 15:07	
Tetrachloro-m-xylene [2]		102	30-150					8/29/18 15:07	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-7 (9.5-11.5)

Sampled: 7/26/2018 12:42

Sample ID: 18G1120-57

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.1		% Wt	1		SM 2540G	8/7/18	8/8/18 7:36	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-7 (11.5-13.5)

Sampled: 7/26/2018 12:43

Sample ID: 18G1120-58

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 15:25	KAL
Aroclor-1221 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 15:25	KAL
Aroclor-1232 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 15:25	KAL
Aroclor-1242 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 15:25	KAL
Aroclor-1248 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 15:25	KAL
Aroclor-1254 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 15:25	KAL
Aroclor-1260 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 15:25	KAL
Aroclor-1262 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 15:25	KAL
Aroclor-1268 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	8/6/18	8/29/18 15:25	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		86.0	30-150					8/29/18 15:25	
Decachlorobiphenyl [2]		94.3	30-150					8/29/18 15:25	
Tetrachloro-m-xylene [1]		75.9	30-150					8/29/18 15:25	
Tetrachloro-m-xylene [2]		85.6	30-150					8/29/18 15:25	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-7 (11.5-13.5)

Sampled: 7/26/2018 12:43

Sample ID: 18G1120-58

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.3		% Wt	1		SM 2540G	8/7/18	8/8/18 7:36	CLA



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-5 (3.5-5.5)

Sampled: 7/26/2018 12:59

Sample ID: 18G1120-59

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 5:16	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 5:16	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 5:16	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 5:16	KAL
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 5:16	KAL
Aroclor-1254 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 5:16	KAL
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 5:16	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 5:16	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 5:16	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		77.0	30-150					8/11/18 5:16	
Decachlorobiphenyl [2]		79.9	30-150					8/11/18 5:16	
Tetrachloro-m-xylene [1]		85.7	30-150					8/11/18 5:16	
Tetrachloro-m-xylene [2]		87.2	30-150					8/11/18 5:16	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-5 (3.5-5.5)

Sampled: 7/26/2018 12:59

Sample ID: 18G1120-59

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.3		% Wt	1		SM 2540G	8/7/18	8/8/18 7:36	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-5 (5.5-7.5)

Sampled: 7/26/2018 13:00

Sample ID: 18G1120-60

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 5:33	KAL
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 5:33	KAL
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 5:33	KAL
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 5:33	KAL
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 5:33	KAL
Aroclor-1254 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 5:33	KAL
Aroclor-1260 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 5:33	KAL
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 5:33	KAL
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 5:33	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.5	30-150					8/11/18 5:33	
Decachlorobiphenyl [2]		83.6	30-150					8/11/18 5:33	
Tetrachloro-m-xylene [1]		87.6	30-150					8/11/18 5:33	
Tetrachloro-m-xylene [2]		88.9	30-150					8/11/18 5:33	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-5 (5.5-7.5)

Sampled: 7/26/2018 13:00

Sample ID: 18G1120-60

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.8		% Wt	1		SM 2540G	8/10/18	8/12/18 10:38	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-5 (7.5-9.5)

Sampled: 7/26/2018 13:01

Sample ID: 18G1120-61

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/24/18 23:24	PJG
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/24/18 23:24	PJG
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/24/18 23:24	PJG
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/24/18 23:24	PJG
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/24/18 23:24	PJG
Aroclor-1254 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/24/18 23:24	PJG
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/24/18 23:24	PJG
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/24/18 23:24	PJG
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/24/18 23:24	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		103	30-150					8/24/18 23:24	
Decachlorobiphenyl [2]		102	30-150					8/24/18 23:24	
Tetrachloro-m-xylene [1]		98.3	30-150					8/24/18 23:24	
Tetrachloro-m-xylene [2]		97.2	30-150					8/24/18 23:24	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-5 (7.5-9.5)

Sampled: 7/26/2018 13:01

Sample ID: 18G1120-61

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.0		% Wt	1		SM 2540G	8/7/18	8/8/18 7:36	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-5 (9.5-11.5)

Sampled: 7/26/2018 13:02

Sample ID: 18G1120-62

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	8/6/18	8/24/18 23:42	PJG
Aroclor-1221 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	8/6/18	8/24/18 23:42	PJG
Aroclor-1232 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	8/6/18	8/24/18 23:42	PJG
Aroclor-1242 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	8/6/18	8/24/18 23:42	PJG
Aroclor-1248 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	8/6/18	8/24/18 23:42	PJG
Aroclor-1254 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	8/6/18	8/24/18 23:42	PJG
Aroclor-1260 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	8/6/18	8/24/18 23:42	PJG
Aroclor-1262 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	8/6/18	8/24/18 23:42	PJG
Aroclor-1268 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	8/6/18	8/24/18 23:42	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		95.7	30-150					8/24/18 23:42	
Decachlorobiphenyl [2]		94.8	30-150					8/24/18 23:42	
Tetrachloro-m-xylene [1]		92.0	30-150					8/24/18 23:42	
Tetrachloro-m-xylene [2]		93.2	30-150					8/24/18 23:42	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-5 (9.5-11.5)

Sampled: 7/26/2018 13:02

Sample ID: 18G1120-62

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.6		% Wt	1		SM 2540G	8/7/18	8/8/18 7:36	CLA



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-5 (11.5-13.5)

Sampled: 7/26/2018 13:03

Sample ID: 18G1120-63

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 0:01	PJG
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 0:01	PJG
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 0:01	PJG
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 0:01	PJG
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 0:01	PJG
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 0:01	PJG
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 0:01	PJG
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 0:01	PJG
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 0:01	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		107	30-150					8/25/18 0:01	
Decachlorobiphenyl [2]		106	30-150					8/25/18 0:01	
Tetrachloro-m-xylene [1]		100	30-150					8/25/18 0:01	
Tetrachloro-m-xylene [2]		102	30-150					8/25/18 0:01	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-5 (11.5-13.5)

Sampled: 7/26/2018 13:03

Sample ID: 18G1120-63

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.5		% Wt	1		SM 2540G	8/8/18	8/9/18 8:34	JBL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-3 (3.5-5.5)

Sampled: 7/26/2018 13:21

Sample ID: 18G1120-64

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	3600	mg/Kg dry	160000		SW-846 8082A	8/6/18	8/11/18 12:15	KAL
Aroclor-1221 [1]	ND	3600	mg/Kg dry	160000		SW-846 8082A	8/6/18	8/11/18 12:15	KAL
Aroclor-1232 [1]	ND	3600	mg/Kg dry	160000		SW-846 8082A	8/6/18	8/11/18 12:15	KAL
Aroclor-1242 [1]	ND	3600	mg/Kg dry	160000		SW-846 8082A	8/6/18	8/11/18 12:15	KAL
Aroclor-1248 [1]	ND	3600	mg/Kg dry	160000		SW-846 8082A	8/6/18	8/11/18 12:15	KAL
Aroclor-1254 [2]	20000	3600	mg/Kg dry	160000		SW-846 8082A	8/6/18	8/11/18 12:15	KAL
Aroclor-1260 [1]	ND	3600	mg/Kg dry	160000		SW-846 8082A	8/6/18	8/11/18 12:15	KAL
Aroclor-1262 [1]	ND	3600	mg/Kg dry	160000		SW-846 8082A	8/6/18	8/11/18 12:15	KAL
Aroclor-1268 [1]	ND	3600	mg/Kg dry	160000		SW-846 8082A	8/6/18	8/11/18 12:15	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/11/18 12:15	
Decachlorobiphenyl [2]		*	30-150		S-01			8/11/18 12:15	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/11/18 12:15	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/11/18 12:15	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-3 (3.5-5.5)

Sampled: 7/26/2018 13:21

Sample ID: 18G1120-64

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.8		% Wt	1		SM 2540G	8/8/18	8/9/18 8:34	JBL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-3 (5.5-7.5)

Sampled: 7/26/2018 13:22

Sample ID: 18G1120-65

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	8/6/18	8/11/18 10:28	KAL
Aroclor-1221 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	8/6/18	8/11/18 10:28	KAL
Aroclor-1232 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	8/6/18	8/11/18 10:28	KAL
Aroclor-1242 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	8/6/18	8/11/18 10:28	KAL
Aroclor-1248 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	8/6/18	8/11/18 10:28	KAL
Aroclor-1254 [2]	2.5	0.47	mg/Kg dry	20		SW-846 8082A	8/6/18	8/11/18 10:28	KAL
Aroclor-1260 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	8/6/18	8/11/18 10:28	KAL
Aroclor-1262 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	8/6/18	8/11/18 10:28	KAL
Aroclor-1268 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	8/6/18	8/11/18 10:28	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		81.6	30-150					8/11/18 10:28	
Decachlorobiphenyl [2]		81.4	30-150					8/11/18 10:28	
Tetrachloro-m-xylene [1]		83.5	30-150					8/11/18 10:28	
Tetrachloro-m-xylene [2]		82.4	30-150					8/11/18 10:28	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-3 (5.5-7.5)

Sampled: 7/26/2018 13:22

Sample ID: 18G1120-65

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.6		% Wt	1		SM 2540G	8/8/18	8/9/18 8:34	JBL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-1 (3.5-5.5)

Sampled: 7/26/2018 13:39

Sample ID: 18G1120-66

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.2	mg/Kg dry	400		SW-846 8082A	8/6/18	8/25/18 12:57	PJG
Aroclor-1221 [1]	ND	9.2	mg/Kg dry	400		SW-846 8082A	8/6/18	8/25/18 12:57	PJG
Aroclor-1232 [1]	ND	9.2	mg/Kg dry	400		SW-846 8082A	8/6/18	8/25/18 12:57	PJG
Aroclor-1242 [1]	ND	9.2	mg/Kg dry	400		SW-846 8082A	8/6/18	8/25/18 12:57	PJG
Aroclor-1248 [1]	ND	9.2	mg/Kg dry	400		SW-846 8082A	8/6/18	8/25/18 12:57	PJG
Aroclor-1254 [2]	59	9.2	mg/Kg dry	400		SW-846 8082A	8/6/18	8/25/18 12:57	PJG
Aroclor-1260 [1]	ND	9.2	mg/Kg dry	400		SW-846 8082A	8/6/18	8/25/18 12:57	PJG
Aroclor-1262 [1]	ND	9.2	mg/Kg dry	400		SW-846 8082A	8/6/18	8/25/18 12:57	PJG
Aroclor-1268 [1]	ND	9.2	mg/Kg dry	400		SW-846 8082A	8/6/18	8/25/18 12:57	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/25/18 12:57	
Decachlorobiphenyl [2]		*	30-150		S-01			8/25/18 12:57	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/25/18 12:57	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/25/18 12:57	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-1 (3.5-5.5)

Sampled: 7/26/2018 13:39

Sample ID: 18G1120-66

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.1		% Wt	1		SM 2540G	8/8/18	8/9/18 8:34	JBL



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-1 (5.5-7.5)

Sampled: 7/26/2018 13:40

Sample ID: 18G1120-67

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 13:15	PJG
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 13:15	PJG
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 13:15	PJG
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 13:15	PJG
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 13:15	PJG
Aroclor-1254 [2]	0.49	0.12	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 13:15	PJG
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 13:15	PJG
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 13:15	PJG
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 13:15	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		81.9	30-150					8/25/18 13:15	
Decachlorobiphenyl [2]		94.7	30-150					8/25/18 13:15	
Tetrachloro-m-xylene [1]		89.5	30-150					8/25/18 13:15	
Tetrachloro-m-xylene [2]		94.7	30-150					8/25/18 13:15	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-G-1 (5.5-7.5)

Sampled: 7/26/2018 13:40

Sample ID: 18G1120-67

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	67.3		% Wt	1		SM 2540G	8/8/18	8/9/18 8:34	JBL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-1 (3.5-5.5)

Sampled: 7/26/2018 13:51

Sample ID: 18G1120-68

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 0:56	PJG
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 0:56	PJG
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 0:56	PJG
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 0:56	PJG
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 0:56	PJG
Aroclor-1254 [2]	0.16	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 0:56	PJG
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 0:56	PJG
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 0:56	PJG
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 0:56	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		92.8	30-150					8/25/18 0:56	
Decachlorobiphenyl [2]		101	30-150					8/25/18 0:56	
Tetrachloro-m-xylene [1]		85.0	30-150					8/25/18 0:56	
Tetrachloro-m-xylene [2]		83.6	30-150					8/25/18 0:56	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-1 (3.5-5.5)

Sampled: 7/26/2018 13:51

Sample ID: 18G1120-68

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.9		% Wt	1		SM 2540G	8/8/18	8/9/18 8:34	JBL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-1 (5.5-7.5)

Sampled: 7/26/2018 13:52

Sample ID: 18G1120-69

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	8/6/18	8/25/18 13:33	PJG
Aroclor-1221 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	8/6/18	8/25/18 13:33	PJG
Aroclor-1232 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	8/6/18	8/25/18 13:33	PJG
Aroclor-1242 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	8/6/18	8/25/18 13:33	PJG
Aroclor-1248 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	8/6/18	8/25/18 13:33	PJG
Aroclor-1254 [1]	50	4.6	mg/Kg dry	200		SW-846 8082A	8/6/18	8/25/18 13:33	PJG
Aroclor-1260 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	8/6/18	8/25/18 13:33	PJG
Aroclor-1262 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	8/6/18	8/25/18 13:33	PJG
Aroclor-1268 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	8/6/18	8/25/18 13:33	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/25/18 13:33	
Decachlorobiphenyl [2]		*	30-150		S-01			8/25/18 13:33	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/25/18 13:33	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/25/18 13:33	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-1 (5.5-7.5)

Sampled: 7/26/2018 13:52

Sample ID: 18G1120-69

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.7		% Wt	1		SM 2540G	8/8/18	8/9/18 8:34	JBL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-1 (7.5-9.5)

Sampled: 7/26/2018 13:53

Sample ID: 18G1120-70

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/6/18	8/25/18 13:51	PJG
Aroclor-1221 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/6/18	8/25/18 13:51	PJG
Aroclor-1232 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/6/18	8/25/18 13:51	PJG
Aroclor-1242 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/6/18	8/25/18 13:51	PJG
Aroclor-1248 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/6/18	8/25/18 13:51	PJG
Aroclor-1254 [1]	16	1.9	mg/Kg dry	80		SW-846 8082A	8/6/18	8/25/18 13:51	PJG
Aroclor-1260 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/6/18	8/25/18 13:51	PJG
Aroclor-1262 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/6/18	8/25/18 13:51	PJG
Aroclor-1268 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/6/18	8/25/18 13:51	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/25/18 13:51	
Decachlorobiphenyl [2]		*	30-150		S-01			8/25/18 13:51	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/25/18 13:51	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/25/18 13:51	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-1 (7.5-9.5)

Sampled: 7/26/2018 13:53

Sample ID: 18G1120-70

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.6		% Wt	1		SM 2540G	8/8/18	8/9/18 8:34	JBL



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-1 99.5-11.5)

Sampled: 7/26/2018 13:54

Sample ID: 18G1120-71

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.0	mg/Kg dry	400		SW-846 8082A	8/27/18	8/30/18 9:56	WAL
Aroclor-1221 [1]	ND	9.0	mg/Kg dry	400		SW-846 8082A	8/27/18	8/30/18 9:56	WAL
Aroclor-1232 [1]	ND	9.0	mg/Kg dry	400		SW-846 8082A	8/27/18	8/30/18 9:56	WAL
Aroclor-1242 [1]	ND	9.0	mg/Kg dry	400		SW-846 8082A	8/27/18	8/30/18 9:56	WAL
Aroclor-1248 [1]	ND	9.0	mg/Kg dry	400		SW-846 8082A	8/27/18	8/30/18 9:56	WAL
Aroclor-1254 [2]	49	9.0	mg/Kg dry	400		SW-846 8082A	8/27/18	8/30/18 9:56	WAL
Aroclor-1260 [1]	ND	9.0	mg/Kg dry	400		SW-846 8082A	8/27/18	8/30/18 9:56	WAL
Aroclor-1262 [1]	ND	9.0	mg/Kg dry	400		SW-846 8082A	8/27/18	8/30/18 9:56	WAL
Aroclor-1268 [1]	ND	9.0	mg/Kg dry	400		SW-846 8082A	8/27/18	8/30/18 9:56	WAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/30/18 9:56	
Decachlorobiphenyl [2]		*	30-150		S-01			8/30/18 9:56	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/30/18 9:56	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/30/18 9:56	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-1 99.5-11.5)

Sampled: 7/26/2018 13:54

Sample ID: 18G1120-71

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.8		% Wt	1		SM 2540G	8/8/18	8/9/18 8:35	JBL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-1 (11.5-13.5)

Sampled: 7/26/2018 13:56

Sample ID: 18G1120-72

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 2:10	PJG
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 2:10	PJG
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 2:10	PJG
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 2:10	PJG
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 2:10	PJG
Aroclor-1254 [2]	0.45	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 2:10	PJG
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 2:10	PJG
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 2:10	PJG
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 2:10	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		62.6	30-150					8/25/18 2:10	
Decachlorobiphenyl [2]		72.3	30-150					8/25/18 2:10	
Tetrachloro-m-xylene [1]		62.4	30-150					8/25/18 2:10	
Tetrachloro-m-xylene [2]		64.0	30-150					8/25/18 2:10	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-1 (11.5-13.5)

Sampled: 7/26/2018 13:56

Sample ID: 18G1120-72

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.2		% Wt	1		SM 2540G	8/8/18	8/9/18 8:35	JBL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-1 (13.5-15.5)

Sampled: 7/26/2018 13:55

Sample ID: 18G1120-73

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 3:08	PJG
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 3:08	PJG
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 3:08	PJG
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 3:08	PJG
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 3:08	PJG
Aroclor-1254 [2]	0.15	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 3:08	PJG
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 3:08	PJG
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 3:08	PJG
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 3:08	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		56.8	30-150					8/25/18 3:08	
Decachlorobiphenyl [2]		71.7	30-150					8/25/18 3:08	
Tetrachloro-m-xylene [1]		60.0	30-150					8/25/18 3:08	
Tetrachloro-m-xylene [2]		61.1	30-150					8/25/18 3:08	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-1 (13.5-15.5)

Sampled: 7/26/2018 13:55

Sample ID: 18G1120-73

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.0		% Wt	1		SM 2540G	8/8/18	8/9/18 8:35	JBL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-1 (15.5-17.5)

Sampled: 7/26/2018 13:57

Sample ID: 18G1120-74

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 3:27	PJG
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 3:27	PJG
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 3:27	PJG
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 3:27	PJG
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 3:27	PJG
Aroclor-1254 [1]	0.96	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 3:27	PJG
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 3:27	PJG
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 3:27	PJG
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 3:27	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		67.6	30-150					8/25/18 3:27	
Decachlorobiphenyl [2]		76.1	30-150					8/25/18 3:27	
Tetrachloro-m-xylene [1]		68.4	30-150					8/25/18 3:27	
Tetrachloro-m-xylene [2]		69.9	30-150					8/25/18 3:27	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-1 (15.5-17.5)

Sampled: 7/26/2018 13:57

Sample ID: 18G1120-74

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.4		% Wt	1		SM 2540G	8/8/18	8/9/18 8:35	JBL



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-3 (3.5-5.5)

Sampled: 7/26/2018 14:19

Sample ID: 18G1120-75

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	8/6/18	8/11/18 12:32	KAL
Aroclor-1221 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	8/6/18	8/11/18 12:32	KAL
Aroclor-1232 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	8/6/18	8/11/18 12:32	KAL
Aroclor-1242 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	8/6/18	8/11/18 12:32	KAL
Aroclor-1248 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	8/6/18	8/11/18 12:32	KAL
Aroclor-1254 [2]	370	45	mg/Kg dry	2000		SW-846 8082A	8/6/18	8/11/18 12:32	KAL
Aroclor-1260 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	8/6/18	8/11/18 12:32	KAL
Aroclor-1262 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	8/6/18	8/11/18 12:32	KAL
Aroclor-1268 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	8/6/18	8/11/18 12:32	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/11/18 12:32	
Decachlorobiphenyl [2]		*	30-150		S-01			8/11/18 12:32	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/11/18 12:32	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/11/18 12:32	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-3 (3.5-5.5)

Sampled: 7/26/2018 14:19

Sample ID: 18G1120-75

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.4		% Wt	1		SM 2540G	8/8/18	8/9/18 8:35	JBL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-7 (3.5-5.5)

Sampled: 7/26/2018 15:07

Sample ID: 18G1120-76

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	8/6/18	8/11/18 11:04	KAL
Aroclor-1221 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	8/6/18	8/11/18 11:04	KAL
Aroclor-1232 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	8/6/18	8/11/18 11:04	KAL
Aroclor-1242 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	8/6/18	8/11/18 11:04	KAL
Aroclor-1248 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	8/6/18	8/11/18 11:04	KAL
Aroclor-1254 [2]	1.8	0.20	mg/Kg dry	8		SW-846 8082A	8/6/18	8/11/18 11:04	KAL
Aroclor-1260 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	8/6/18	8/11/18 11:04	KAL
Aroclor-1262 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	8/6/18	8/11/18 11:04	KAL
Aroclor-1268 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	8/6/18	8/11/18 11:04	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		67.5	30-150					8/11/18 11:04	
Decachlorobiphenyl [2]		71.7	30-150					8/11/18 11:04	
Tetrachloro-m-xylene [1]		76.0	30-150					8/11/18 11:04	
Tetrachloro-m-xylene [2]		75.6	30-150					8/11/18 11:04	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-7 (3.5-5.5)

Sampled: 7/26/2018 15:07

Sample ID: 18G1120-76

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.8		% Wt	1		SM 2540G	8/8/18	8/9/18 8:35	JBL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-7 (5.5-7.5)

Sampled: 7/26/2018 15:08

Sample ID: 18G1120-77

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 11:22	KAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 11:22	KAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 11:22	KAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 11:22	KAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 11:22	KAL
Aroclor-1254 [2]	0.11	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 11:22	KAL
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 11:22	KAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 11:22	KAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 11:22	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	77.7		30-150				8/11/18 11:22		
Decachlorobiphenyl [2]	71.6		30-150				8/11/18 11:22		
Tetrachloro-m-xylene [1]	77.6		30-150				8/11/18 11:22		
Tetrachloro-m-xylene [2]	79.1		30-150				8/11/18 11:22		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-7 (5.5-7.5)

Sampled: 7/26/2018 15:08

Sample ID: 18G1120-77

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.0		% Wt	1		SM 2540G	8/8/18	8/9/18 8:35	JBL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-7 (7.5-9.5)

Sampled: 7/26/2018 15:09

Sample ID: 18G1120-78

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 3:45	PJG
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 3:45	PJG
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 3:45	PJG
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 3:45	PJG
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 3:45	PJG
Aroclor-1254 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 3:45	PJG
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 3:45	PJG
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 3:45	PJG
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 3:45	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		69.3	30-150					8/25/18 3:45	
Decachlorobiphenyl [2]		75.7	30-150					8/25/18 3:45	
Tetrachloro-m-xylene [1]		85.8	30-150					8/25/18 3:45	
Tetrachloro-m-xylene [2]		86.7	30-150					8/25/18 3:45	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-7 (7.5-9.5)

Sampled: 7/26/2018 15:09

Sample ID: 18G1120-78

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.3		% Wt	1		SM 2540G	8/8/18	8/9/18 8:35	JBL



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-7 (9.7-11.5)

Sampled: 7/26/2018 15:10

Sample ID: 18G1120-79

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 4:04	PJG
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 4:04	PJG
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 4:04	PJG
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 4:04	PJG
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 4:04	PJG
Aroclor-1254 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 4:04	PJG
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 4:04	PJG
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 4:04	PJG
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 4:04	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		78.8	30-150					8/25/18 4:04	
Decachlorobiphenyl [2]		86.3	30-150					8/25/18 4:04	
Tetrachloro-m-xylene [1]		73.6	30-150					8/25/18 4:04	
Tetrachloro-m-xylene [2]		75.8	30-150					8/25/18 4:04	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-7 (9.7-11.5)

Sampled: 7/26/2018 15:10

Sample ID: 18G1120-79

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.5		% Wt	1		SM 2540G	8/8/18	8/9/18 8:36	JBL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-7 (11.5-13.5)

Sampled: 7/26/2018 15:11

Sample ID: 18G1120-80

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 4:22	PJG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 4:22	PJG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 4:22	PJG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 4:22	PJG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 4:22	PJG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 4:22	PJG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 4:22	PJG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 4:22	PJG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 4:22	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		79.4	30-150					8/25/18 4:22	
Decachlorobiphenyl [2]		80.8	30-150					8/25/18 4:22	
Tetrachloro-m-xylene [1]		58.6	30-150					8/25/18 4:22	
Tetrachloro-m-xylene [2]		60.2	30-150					8/25/18 4:22	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-7 (11.5-13.5)

Sampled: 7/26/2018 15:11

Sample ID: 18G1120-80

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	74.9		% Wt	1		SM 2540G	8/8/18	8/9/18 8:36	JBL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-3 (5.5-7.5)

Sampled: 7/26/2018 14:20

Sample ID: 18G1120-81

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 7:19	KAL
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 7:19	KAL
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 7:19	KAL
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 7:19	KAL
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 7:19	KAL
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 7:19	KAL
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 7:19	KAL
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 7:19	KAL
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 7:19	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		58.3	30-150					8/11/18 7:19	
Decachlorobiphenyl [2]		63.5	30-150					8/11/18 7:19	
Tetrachloro-m-xylene [1]		68.5	30-150					8/11/18 7:19	
Tetrachloro-m-xylene [2]		71.7	30-150					8/11/18 7:19	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-3 (5.5-7.5)

Sampled: 7/26/2018 14:20

Sample ID: 18G1120-81

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.1		% Wt	1		SM 2540G	8/8/18	8/9/18 8:36	JBL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-3 (7.5-9.5)

Sampled: 7/26/2018 14:21

Sample ID: 18G1120-82

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 19:12	KAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 19:12	KAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 19:12	KAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 19:12	KAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 19:12	KAL
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 19:12	KAL
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 19:12	KAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 19:12	KAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 19:12	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		80.8	30-150					8/25/18 19:12	
Decachlorobiphenyl [2]		84.8	30-150					8/25/18 19:12	
Tetrachloro-m-xylene [1]		79.0	30-150					8/25/18 19:12	
Tetrachloro-m-xylene [2]		82.7	30-150					8/25/18 19:12	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-3 (7.5-9.5)

Sampled: 7/26/2018 14:21

Sample ID: 18G1120-82

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.1		% Wt	1		SM 2540G	8/8/18	8/9/18 8:36	JBL



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-3 (9.5-11.5)

Sampled: 7/26/2018 14:22

Sample ID: 18G1120-83

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/9/18	8/25/18 19:29	KAL
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/9/18	8/25/18 19:29	KAL
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/9/18	8/25/18 19:29	KAL
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/9/18	8/25/18 19:29	KAL
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/9/18	8/25/18 19:29	KAL
Aroclor-1254 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/9/18	8/25/18 19:29	KAL
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/9/18	8/25/18 19:29	KAL
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/9/18	8/25/18 19:29	KAL
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/9/18	8/25/18 19:29	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		80.7	30-150					8/25/18 19:29	
Decachlorobiphenyl [2]		83.5	30-150					8/25/18 19:29	
Tetrachloro-m-xylene [1]		71.2	30-150					8/25/18 19:29	
Tetrachloro-m-xylene [2]		74.2	30-150					8/25/18 19:29	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-3 (9.5-11.5)

Sampled: 7/26/2018 14:22

Sample ID: 18G1120-83

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.9		% Wt	1		SM 2540G	8/8/18	8/9/18 8:36	JBL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-4 (0-0.5)

Sampled: 7/26/2018 00:00

Sample ID: 18G1120-84

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 7:37	KAL
Aroclor-1221 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 7:37	KAL
Aroclor-1232 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 7:37	KAL
Aroclor-1242 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 7:37	KAL
Aroclor-1248 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 7:37	KAL
Aroclor-1254 [2]	0.083	0.083	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 7:37	KAL
Aroclor-1260 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 7:37	KAL
Aroclor-1262 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 7:37	KAL
Aroclor-1268 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/6/18	8/11/18 7:37	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	80.1		30-150				8/11/18 7:37		
Decachlorobiphenyl [2]	80.1		30-150				8/11/18 7:37		
Tetrachloro-m-xylene [1]	66.3		30-150				8/11/18 7:37		
Tetrachloro-m-xylene [2]	66.8		30-150				8/11/18 7:37		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-4 (0-0.5)

Sampled: 7/26/2018 00:00

Sample ID: 18G1120-84

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.4		% Wt	1		SM 2540G	8/8/18	8/9/18 8:36	JBL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-9 (3.5-5.5)

Sampled: 7/26/2018 15:29

Sample ID: 18G1120-85

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/9/18	8/25/18 19:46	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/9/18	8/25/18 19:46	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/9/18	8/25/18 19:46	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/9/18	8/25/18 19:46	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/9/18	8/25/18 19:46	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/9/18	8/25/18 19:46	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/9/18	8/25/18 19:46	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/9/18	8/25/18 19:46	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/9/18	8/25/18 19:46	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		94.2	30-150					8/25/18 19:46	
Decachlorobiphenyl [2]		98.6	30-150					8/25/18 19:46	
Tetrachloro-m-xylene [1]		92.3	30-150					8/25/18 19:46	
Tetrachloro-m-xylene [2]		99.7	30-150					8/25/18 19:46	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-9 (3.5-5.5)

Sampled: 7/26/2018 15:29

Sample ID: 18G1120-85

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	78.9		% Wt	1		SM 2540G	8/8/18	8/9/18 8:36	JBL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: BE-9 (5.5-7.5)

Sampled: 7/26/2018 15:30

Sample ID: 18G1120-86

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 20:04	KAL
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 20:04	KAL
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 20:04	KAL
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 20:04	KAL
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 20:04	KAL
Aroclor-1254 [2]	0.29	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 20:04	KAL
Aroclor-1260 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 20:04	KAL
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 20:04	KAL
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 20:04	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		69.2	30-150					8/25/18 20:04	
Decachlorobiphenyl [2]		94.2	30-150					8/25/18 20:04	
Tetrachloro-m-xylene [1]		65.2	30-150					8/25/18 20:04	
Tetrachloro-m-xylene [2]		67.5	30-150					8/25/18 20:04	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: BE-9 (5.5-7.5)

Sampled: 7/26/2018 15:30

Sample ID: 18G1120-86

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.8		% Wt	1		SM 2540G	8/8/18	8/9/18 8:36	JBL



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-9 (7.5-9.5)

Sampled: 7/26/2018 15:31

Sample ID: 18G1120-87

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 20:21	KAL
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 20:21	KAL
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 20:21	KAL
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 20:21	KAL
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 20:21	KAL
Aroclor-1254 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 20:21	KAL
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 20:21	KAL
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 20:21	KAL
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 20:21	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		88.6	30-150					8/25/18 20:21	
Decachlorobiphenyl [2]		93.3	30-150					8/25/18 20:21	
Tetrachloro-m-xylene [1]		85.9	30-150					8/25/18 20:21	
Tetrachloro-m-xylene [2]		92.3	30-150					8/25/18 20:21	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-9 (7.5-9.5)

Sampled: 7/26/2018 15:31

Sample ID: 18G1120-87

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.4		% Wt	1		SM 2540G	8/8/18	8/9/18 8:37	JBL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-5 (5.5-7.5)

Sampled: 7/26/2018 15:00

Sample ID: 18G1120-88

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 20:38	KAL
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 20:38	KAL
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 20:38	KAL
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 20:38	KAL
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 20:38	KAL
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 20:38	KAL
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 20:38	KAL
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 20:38	KAL
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 20:38	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		66.7	30-150					8/25/18 20:38	
Decachlorobiphenyl [2]		93.2	30-150					8/25/18 20:38	
Tetrachloro-m-xylene [1]		68.4	30-150					8/25/18 20:38	
Tetrachloro-m-xylene [2]		70.4	30-150					8/25/18 20:38	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-5 (5.5-7.5)

Sampled: 7/26/2018 15:00

Sample ID: 18G1120-88

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.0		% Wt	1		SM 2540G	8/8/18	8/9/18 8:37	JBL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-5 (7.5-9.5)

Sampled: 7/26/2018 15:01

Sample ID: 18G1120-89

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 20:55	KAL
Aroclor-1221 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 20:55	KAL
Aroclor-1232 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 20:55	KAL
Aroclor-1242 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 20:55	KAL
Aroclor-1248 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 20:55	KAL
Aroclor-1254 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 20:55	KAL
Aroclor-1260 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 20:55	KAL
Aroclor-1262 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 20:55	KAL
Aroclor-1268 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 20:55	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		91.2	30-150					8/25/18 20:55	
Decachlorobiphenyl [2]		96.9	30-150					8/25/18 20:55	
Tetrachloro-m-xylene [1]		89.8	30-150					8/25/18 20:55	
Tetrachloro-m-xylene [2]		99.1	30-150					8/25/18 20:55	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-5 (7.5-9.5)

Sampled: 7/26/2018 15:01

Sample ID: 18G1120-89

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	77.7		% Wt	1		SM 2540G	8/8/18	8/9/18 8:37	JBL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-5 (9.5-11.5)

Sampled: 7/26/2018 15:02

Sample ID: 18G1120-90

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 21:12	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 21:12	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 21:12	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 21:12	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 21:12	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 21:12	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 21:12	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 21:12	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 21:12	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		82.0	30-150					8/25/18 21:12	
Decachlorobiphenyl [2]		86.0	30-150					8/25/18 21:12	
Tetrachloro-m-xylene [1]		80.3	30-150					8/25/18 21:12	
Tetrachloro-m-xylene [2]		85.7	30-150					8/25/18 21:12	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-5 (9.5-11.5)

Sampled: 7/26/2018 15:02

Sample ID: 18G1120-90

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	63.5		% Wt	1		SM 2540G	8/8/18	8/9/18 8:37	JBL



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-5 (11.5-13.5)

Sampled: 7/26/2018 15:03

Sample ID: 18G1120-91

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 21:30	KAL
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 21:30	KAL
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 21:30	KAL
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 21:30	KAL
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 21:30	KAL
Aroclor-1254 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 21:30	KAL
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 21:30	KAL
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 21:30	KAL
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 21:30	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		89.3	30-150					8/25/18 21:30	
Decachlorobiphenyl [2]		93.1	30-150					8/25/18 21:30	
Tetrachloro-m-xylene [1]		84.5	30-150					8/25/18 21:30	
Tetrachloro-m-xylene [2]		92.8	30-150					8/25/18 21:30	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-5 (11.5-13.5)

Sampled: 7/26/2018 15:03

Sample ID: 18G1120-91

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.2		% Wt	1		SM 2540G	8/8/18	8/9/18 8:37	JBL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-4 (3.5-5.)

Sampled: 7/26/2018 14:36

Sample ID: 18G1120-92

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	8/6/18	8/26/18 11:15	KAL
Aroclor-1221 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	8/6/18	8/26/18 11:15	KAL
Aroclor-1232 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	8/6/18	8/26/18 11:15	KAL
Aroclor-1242 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	8/6/18	8/26/18 11:15	KAL
Aroclor-1248 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	8/6/18	8/26/18 11:15	KAL
Aroclor-1254 [1]	4.5	0.88	mg/Kg dry	40		SW-846 8082A	8/6/18	8/26/18 11:15	KAL
Aroclor-1260 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	8/6/18	8/26/18 11:15	KAL
Aroclor-1262 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	8/6/18	8/26/18 11:15	KAL
Aroclor-1268 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	8/6/18	8/26/18 11:15	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/26/18 11:15	
Decachlorobiphenyl [2]		*	30-150		S-01			8/26/18 11:15	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/26/18 11:15	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/26/18 11:15	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-4 (3.5-5.)

Sampled: 7/26/2018 14:36

Sample ID: 18G1120-92

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.7		% Wt	1		SM 2540G	8/8/18	8/9/18 8:37	JBL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-4 (5.5-7.5)

Sampled: 7/26/2018 14:37

Sample ID: 18G1120-93

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 22:04	KAL
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 22:04	KAL
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 22:04	KAL
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 22:04	KAL
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 22:04	KAL
Aroclor-1254 [1]	0.14	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 22:04	KAL
Aroclor-1260 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 22:04	KAL
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 22:04	KAL
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 22:04	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		88.0	30-150					8/25/18 22:04	
Decachlorobiphenyl [2]		97.4	30-150					8/25/18 22:04	
Tetrachloro-m-xylene [1]		82.5	30-150					8/25/18 22:04	
Tetrachloro-m-xylene [2]		84.1	30-150					8/25/18 22:04	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-4 (5.5-7.5)

Sampled: 7/26/2018 14:37

Sample ID: 18G1120-93

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.9		% Wt	1		SM 2540G	8/8/18	8/9/18 8:37	JBL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-4 (7.5-9.5)

Sampled: 7/26/2018 14:38

Sample ID: 18G1120-94

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 22:21	KAL
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 22:21	KAL
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 22:21	KAL
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 22:21	KAL
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 22:21	KAL
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 22:21	KAL
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 22:21	KAL
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 22:21	KAL
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 22:21	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		83.0	30-150					8/25/18 22:21	
Decachlorobiphenyl [2]		88.3	30-150					8/25/18 22:21	
Tetrachloro-m-xylene [1]		80.5	30-150					8/25/18 22:21	
Tetrachloro-m-xylene [2]		88.1	30-150					8/25/18 22:21	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-4 (7.5-9.5)

Sampled: 7/26/2018 14:38

Sample ID: 18G1120-94

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.2		% Wt	1		SM 2540G	8/8/18	8/9/18 8:37	JBL



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-4 (9.5-11.5)

Sampled: 7/26/2018 14:39

Sample ID: 18G1120-95

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 22:39	KAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 22:39	KAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 22:39	KAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 22:39	KAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 22:39	KAL
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 22:39	KAL
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 22:39	KAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 22:39	KAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 22:39	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		96.9	30-150					8/25/18 22:39	
Decachlorobiphenyl [2]		101	30-150					8/25/18 22:39	
Tetrachloro-m-xylene [1]		91.4	30-150					8/25/18 22:39	
Tetrachloro-m-xylene [2]		101	30-150					8/25/18 22:39	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-4 (9.5-11.5)

Sampled: 7/26/2018 14:39

Sample ID: 18G1120-95

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.2		% Wt	1		SM 2540G	8/8/18	8/9/18 8:37	JBL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-5 (1.5-2.5)

Sampled: 7/26/2018 14:57

Sample ID: 18G1120-96

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/6/18	8/11/18 11:39	KAL
Aroclor-1221 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/6/18	8/11/18 11:39	KAL
Aroclor-1232 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/6/18	8/11/18 11:39	KAL
Aroclor-1242 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/6/18	8/11/18 11:39	KAL
Aroclor-1248 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/6/18	8/11/18 11:39	KAL
Aroclor-1254 [2]	16	1.8	mg/Kg dry	80		SW-846 8082A	8/6/18	8/11/18 11:39	KAL
Aroclor-1260 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/6/18	8/11/18 11:39	KAL
Aroclor-1262 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/6/18	8/11/18 11:39	KAL
Aroclor-1268 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/6/18	8/11/18 11:39	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/11/18 11:39	
Decachlorobiphenyl [2]		*	30-150		S-01			8/11/18 11:39	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/11/18 11:39	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/11/18 11:39	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-5 (1.5-2.5)

Sampled: 7/26/2018 14:57

Sample ID: 18G1120-96

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.5		% Wt	1		SM 2540G	8/8/18	8/9/18 8:38	JBL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-5 (2.5-3.5)

Sampled: 7/26/2018 14:58

Sample ID: 18G1120-97

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/6/18	8/11/18 11:57	KAL
Aroclor-1221 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/6/18	8/11/18 11:57	KAL
Aroclor-1232 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/6/18	8/11/18 11:57	KAL
Aroclor-1242 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/6/18	8/11/18 11:57	KAL
Aroclor-1248 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/6/18	8/11/18 11:57	KAL
Aroclor-1254 [2]	2.8	0.42	mg/Kg dry	20		SW-846 8082A	8/6/18	8/11/18 11:57	KAL
Aroclor-1260 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/6/18	8/11/18 11:57	KAL
Aroclor-1262 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/6/18	8/11/18 11:57	KAL
Aroclor-1268 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/6/18	8/11/18 11:57	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		88.9	30-150					8/11/18 11:57	
Decachlorobiphenyl [2]		90.1	30-150					8/11/18 11:57	
Tetrachloro-m-xylene [1]		89.4	30-150					8/11/18 11:57	
Tetrachloro-m-xylene [2]		88.1	30-150					8/11/18 11:57	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-5 (2.5-3.5)

Sampled: 7/26/2018 14:58

Sample ID: 18G1120-97

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.6		% Wt	1		SM 2540G	8/8/18	8/9/18 8:38	JBL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-5 (3.5-5.5)

Sampled: 7/26/2018 14:59

Sample ID: 18G1120-98

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 22:56	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 22:56	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 22:56	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 22:56	KAL
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 22:56	KAL
Aroclor-1254 [2]	0.32	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 22:56	KAL
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 22:56	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 22:56	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/6/18	8/25/18 22:56	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	80.4		30-150			8/25/18 22:56			
<b>Decachlorobiphenyl [2]</b>	<b>180 *</b>		30-150		S-02	8/25/18 22:56			
Tetrachloro-m-xylene [1]	75.2		30-150			8/25/18 22:56			
Tetrachloro-m-xylene [2]	80.0		30-150			8/25/18 22:56			

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1120

Date Received: 7/26/2018

Field Sample #: B-E-5 (3.5-5.5)

Sampled: 7/26/2018 14:59

Sample ID: 18G1120-98

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.1		% Wt	1		SM 2540G	8/8/18	8/9/18 8:38	JBL



**Sample Extraction Data**

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18G1120-01 [B-K-1 (3.5-5.5)]	B209742	08/07/18
18G1120-02 [B-K-1 (5.5-7.5)]	B209742	08/07/18
18G1120-03 [B-K-1 (7.5-9.5)]	B209742	08/07/18
18G1120-04 [B-K-1 (9.5-11.5)]	B209742	08/07/18
18G1120-05 [B-K-1 (3.5-5.5)]	B209742	08/07/18
18G1120-06 [B-K-9 (5.5-7.5)]	B209742	08/07/18
18G1120-07 [B-K-9 (9.5-11.5)]	B209742	08/07/18
18G1120-08 [B-I-1 (0-0.5)]	B209742	08/07/18
18G1120-09 [B-I-1 (0.5-1.5)]	B209742	08/07/18
18G1120-10 [B-I-1 (1.5-2.5)]	B209742	08/07/18
18G1120-11 [B-I-1 (2.5-3.5)]	B209742	08/07/18
18G1120-12 [B-I-1 (3.5-5.5)]	B209742	08/07/18
18G1120-13 [B-O-11 (3.5-5.5)]	B209742	08/07/18
18G1120-14 [B-O-11 (5.5-7.5)]	B209742	08/07/18
18G1120-15 [B-O-8 (3.5-5.5)]	B209742	08/07/18
18G1120-16 [B-O-8 (5.5-7.5)]	B209742	08/07/18
18G1120-17 [B-O-8 (7.5-9.5)]	B209742	08/07/18
18G1120-18 [B-O-8 (9.5-11.5)]	B209742	08/07/18
18G1120-19 [B-I-1 (5.5-7.5)]	B209742	08/07/18
18G1120-20 [B-I-1 (7.5-9.5)]	B209742	08/07/18
18G1120-21 [B-I-1 (9.5-11.5)]	B209742	08/07/18
18G1120-22 [B-I-3 (3.5-5.5)]	B209742	08/07/18
18G1120-23 [B-I-3 (5.5-7.5)]	B209742	08/07/18
18G1120-24 [B-I-3 (7.5-9.5)]	B209742	08/07/18
18G1120-25 [B-I-5 (3.5-5.5)]	B209742	08/07/18
18G1120-26 [B-I-5 (5.5-7.5)]	B209742	08/07/18
18G1120-27 [B-I-5 (7.5-9.5)]	B209742	08/07/18
18G1120-28 [B-I-5 (9.5-11.5)]	B209742	08/07/18
18G1120-29 [B-I-5 (11.5-13.5)]	B209742	08/07/18
18G1120-30 [B-I-7 (3.5-5.5)]	B209742	08/07/18
18G1120-31 [B-I-7 (5.5-7.5)]	B209742	08/07/18
18G1120-32 [B-I-9 (3.5-5.5)]	B209742	08/07/18
18G1120-33 [B-I-9 (5.5-7.5)]	B209742	08/07/18
18G1120-34 [B-I-9 (7.5-9.5)]	B209742	08/07/18
18G1120-35 [B-I-9 (9.5-11.5)]	B209742	08/07/18
18G1120-36 [B-I-9 (11.5-13.5)]	B209742	08/07/18
18G1120-37 [B-I-9 (13.5-15)]	B209742	08/07/18
18G1120-38 [B-I-11 (3.5-5.5)]	B209742	08/07/18
18G1120-39 [B-I-11 (5.5-7.5)]	B209742	08/07/18
18G1120-41 [B-I-11 (9.5-11.5)]	B209742	08/07/18
18G1120-42 [B-I-11 (11.5-13.5)]	B209742	08/07/18
18G1120-43 [B-I-11 (13.5-15)]	B209742	08/07/18
18G1120-44 [B-G-11 (3.5-5.5)]	B209742	08/07/18
18G1120-45 [B-G-11 (5.5-7.5)]	B209742	08/07/18
18G1120-46 [B-G-11 (7.5-9.5)]	B209742	08/07/18
18G1120-47 [B-G-11 (9.5-11.5)]	B209742	08/07/18
18G1120-48 [B-G-11 (11.5-13.5)]	B209742	08/07/18
18G1120-49 [B-G-11 (13.5-15.5)]	B209742	08/07/18
18G1120-50 [B-G-9 (3.5-5.5)]	B209742	08/07/18
18G1120-51 [B-G-9 (5.5-7.5)]	B209742	08/07/18
18G1120-52 [B-G-9 (7.5-9.5)]	B209742	08/07/18
18G1120-53 [B-G-9 (9.5-11.5)]	B209742	08/07/18
18G1120-54 [B-G-7 (3.5-5.5)]	B209742	08/07/18
18G1120-55 [B-G-7 (5.5-7.5)]	B209742	08/07/18
18G1120-56 [B-G-7 (7.5-9.5)]	B209742	08/07/18

**Sample Extraction Data**

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18G1120-57 [B-G-7 (9.5-11.5)]	B209742	08/07/18
18G1120-58 [B-G-7 (11.5-13.5)]	B209742	08/07/18
18G1120-59 [B-G-5 (3.5-5.5)]	B209742	08/07/18
18G1120-61 [B-G-5 (7.5-9.5)]	B209742	08/07/18
18G1120-62 [B-G-5 (9.5-11.5)]	B209742	08/07/18

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18G1120-63 [B-G-5 (11.5-13.5)]	B209792	08/08/18
18G1120-64 [B-G-3 (3.5-5.5)]	B209792	08/08/18
18G1120-65 [B-G-3 (5.5-7.5)]	B209792	08/08/18
18G1120-66 [B-G-1 (3.5-5.5)]	B209792	08/08/18
18G1120-67 [B-G-1 (5.5-7.5)]	B209792	08/08/18
18G1120-68 [B-E-1 (3.5-5.5)]	B209792	08/08/18
18G1120-69 [B-E-1 (5.5-7.5)]	B209792	08/08/18
18G1120-70 [B-E-1 (7.5-9.5)]	B209792	08/08/18
18G1120-71 [B-E-1 99.5-11.5)]	B209792	08/08/18
18G1120-72 [B-E-1 (11.5-13.5)]	B209792	08/08/18
18G1120-73 [B-E-1 (13.5-15.5)]	B209792	08/08/18
18G1120-74 [B-E-1 (15.5-17.5)]	B209792	08/08/18
18G1120-75 [B-E-3 (3.5-5.5)]	B209792	08/08/18
18G1120-76 [B-E-7 (3.5-5.5)]	B209792	08/08/18
18G1120-77 [B-E-7 (5.5-7.5)]	B209792	08/08/18
18G1120-78 [B-E-7 (7.5-9.5)]	B209792	08/08/18
18G1120-79 [B-E-7 (9.7-11.5)]	B209792	08/08/18
18G1120-80 [B-E-7 (11.5-13.5)]	B209792	08/08/18
18G1120-81 [B-E-3 (5.5-7.5)]	B209792	08/08/18
18G1120-82 [B-E-3 (7.5-9.5)]	B209792	08/08/18
18G1120-83 [B-E-3 (9.5-11.5)]	B209792	08/08/18
18G1120-84 [B-E-4 (0-0.5)]	B209792	08/08/18
18G1120-85 [B-E-9 (3.5-5.5)]	B209792	08/08/18
18G1120-86 [B-E-9 (5.5-7.5)]	B209792	08/08/18
18G1120-87 [B-E-9 (7.5-9.5)]	B209792	08/08/18
18G1120-88 [B-E-5 (5.5-7.5)]	B209792	08/08/18
18G1120-89 [B-E-5 (7.5-9.5)]	B209792	08/08/18
18G1120-90 [B-E-5 (9.5-11.5)]	B209792	08/08/18
18G1120-91 [B-E-5 (11.5-13.5)]	B209792	08/08/18
18G1120-92 [B-E-4 (3.5-5.5)]	B209792	08/08/18
18G1120-93 [B-E-4 (5.5-7.5)]	B209792	08/08/18
18G1120-94 [B-E-4 (7.5-9.5)]	B209792	08/08/18
18G1120-95 [B-E-4 (9.5-11.5)]	B209792	08/08/18
18G1120-96 [B-E-5 (1.5-2.5)]	B209792	08/08/18
18G1120-97 [B-E-5 (2.5-3.5)]	B209792	08/08/18
18G1120-98 [B-E-5 (3.5-5.5)]	B209792	08/08/18

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18G1120-60 [B-G-5 (5.5-7.5)]	B210054	08/10/18

**Sample Extraction Data**

**Prep Method: SW-846 3051-SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1120-24 [B-I-3 (7.5-9.5)]	B211573	1.48	50.0	08/31/18
18G1120-53 [B-G-9 (9.5-11.5)]	B211573	1.49	50.0	08/31/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1120-01 [B-K-1 (3.5-5.5)]	B209562	10.0	10.0	08/05/18
18G1120-02 [B-K-1 (5.5-7.5)]	B209562	10.0	10.0	08/05/18
18G1120-03 [B-K-1 (7.5-9.5)]	B209562	10.0	10.0	08/05/18
18G1120-04 [B-K-1 (9.5-11.5)]	B209562	10.0	10.0	08/05/18
18G1120-05 [B-K-1 (3.5-5.5)]	B209562	10.0	10.0	08/05/18
18G1120-06 [B-K-9 (5.5-7.5)]	B209562	10.0	10.0	08/05/18
18G1120-07 [B-K-9 (9.5-11.5)]	B209562	10.0	10.0	08/05/18
18G1120-08 [B-I-1 (0-0.5)]	B209562	10.0	10.0	08/05/18
18G1120-09 [B-I-1 (0.5-1.5)]	B209562	10.0	10.0	08/05/18
18G1120-10 [B-I-1 (1.5-2.5)]	B209562	10.0	10.0	08/05/18
18G1120-11 [B-I-1 (2.5-3.5)]	B209562	10.0	10.0	08/05/18
18G1120-12 [B-I-1 (3.5-5.5)]	B209562	10.0	10.0	08/05/18
18G1120-13 [B-O-11 (3.5-5.5)]	B209562	10.0	10.0	08/05/18
18G1120-14 [B-O-11 (5.5-7.5)]	B209562	10.0	10.0	08/05/18
18G1120-15 [B-O-8 (3.5-5.5)]	B209562	10.0	10.0	08/05/18
18G1120-16 [B-O-8 (5.5-7.5)]	B209562	10.0	10.0	08/05/18
18G1120-17 [B-O-8 (7.5-9.5)]	B209562	10.0	10.0	08/05/18
18G1120-18 [B-O-8 (9.5-11.5)]	B209562	10.0	10.0	08/05/18
18G1120-19 [B-I-1 (5.5-7.5)]	B209562	10.0	10.0	08/05/18
18G1120-20 [B-I-1 (7.5-9.5)]	B209562	10.0	10.0	08/05/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1120-21 [B-I-1 (9.5-11.5)]	B209612	10.6	10.0	08/06/18
18G1120-22 [B-I-3 (3.5-5.5)]	B209612	10.3	10.0	08/06/18
18G1120-23 [B-I-3 (5.5-7.5)]	B209612	10.2	10.0	08/06/18
18G1120-24 [B-I-3 (7.5-9.5)]	B209612	10.4	10.0	08/06/18
18G1120-25 [B-I-5 (3.5-5.5)]	B209612	10.5	10.0	08/06/18
18G1120-26 [B-I-5 (5.5-7.5)]	B209612	10.2	10.0	08/06/18
18G1120-27 [B-I-5 (7.5-9.5)]	B209612	10.0	10.0	08/06/18
18G1120-28 [B-I-5 (9.5-11.5)]	B209612	10.0	10.0	08/06/18
18G1120-29 [B-I-5 (11.5-13.5)]	B209612	10.1	10.0	08/06/18
18G1120-30 [B-I-7 (3.5-5.5)]	B209612	10.1	10.0	08/06/18
18G1120-31 [B-I-7 (5.5-7.5)]	B209612	10.5	10.0	08/06/18
18G1120-32 [B-I-9 (3.5-5.5)]	B209612	10.0	10.0	08/06/18
18G1120-33 [B-I-9 (5.5-7.5)]	B209612	10.3	10.0	08/06/18
18G1120-34 [B-I-9 (7.5-9.5)]	B209612	10.5	10.0	08/06/18
18G1120-35 [B-I-9 (9.5-11.5)]	B209612	10.1	10.0	08/06/18
18G1120-36 [B-I-9 (11.5-13.5)]	B209612	10.2	10.0	08/06/18
18G1120-37 [B-I-9 (13.5-15)]	B209612	10.1	10.0	08/06/18
18G1120-38 [B-I-11 (3.5-5.5)]	B209612	10.5	10.0	08/06/18
18G1120-39 [B-I-11 (5.5-7.5)]	B209612	10.2	10.0	08/06/18
18G1120-40 [B-I-11 (7.5-9.5)]	B209612	10.2	10.0	08/06/18

**Sample Extraction Data**

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1120-41 [B-I-11 (9.5-11.5)]	B209664	10.5	10.0	08/06/18
18G1120-42 [B-I-11 (11.5-13.5)]	B209664	10.7	10.0	08/06/18
18G1120-43 [B-I-11 (13.5-15)]	B209664	10.4	10.0	08/06/18
18G1120-44 [B-G-11 (3.5-5.5)]	B209664	10.0	10.0	08/06/18
18G1120-45 [B-G-11 (5.5-7.5)]	B209664	10.2	10.0	08/06/18
18G1120-46 [B-G-11 (7.5-9.5)]	B209664	10.5	10.0	08/06/18
18G1120-47 [B-G-11 (9.5-11.5)]	B209664	10.4	10.0	08/06/18
18G1120-48 [B-G-11 (11.5-13.5)]	B209664	10.7	10.0	08/06/18
18G1120-49 [B-G-11 (13.5-15.5)]	B209664	10.3	10.0	08/06/18
18G1120-50 [B-G-9 (3.5-5.5)]	B209664	10.1	10.0	08/06/18
18G1120-51 [B-G-9 (5.5-7.5)]	B209664	10.2	10.0	08/06/18
18G1120-52 [B-G-9 (7.5-9.5)]	B209664	10.2	10.0	08/06/18
18G1120-53 [B-G-9 (9.5-11.5)]	B209664	10.9	10.0	08/06/18
18G1120-54 [B-G-7 (3.5-5.5)]	B209664	10.1	10.0	08/06/18
18G1120-55 [B-G-7 (5.5-7.5)]	B209664	10.7	10.0	08/06/18
18G1120-56 [B-G-7 (7.5-9.5)]	B209664	10.3	10.0	08/06/18
18G1120-57 [B-G-7 (9.5-11.5)]	B209664	10.2	10.0	08/06/18
18G1120-58 [B-G-7 (11.5-13.5)]	B209664	10.8	10.0	08/06/18
18G1120-59 [B-G-5 (3.5-5.5)]	B209664	10.2	10.0	08/06/18
18G1120-60 [B-G-5 (5.5-7.5)]	B209664	10.6	10.0	08/06/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1120-61 [B-G-5 (7.5-9.5)]	B209665	10.0	10.0	08/06/18
18G1120-62 [B-G-5 (9.5-11.5)]	B209665	10.0	10.0	08/06/18
18G1120-63 [B-G-5 (11.5-13.5)]	B209665	10.0	10.0	08/06/18
18G1120-64 [B-G-3 (3.5-5.5)]	B209665	10.0	10.0	08/06/18
18G1120-65 [B-G-3 (5.5-7.5)]	B209665	10.0	10.0	08/06/18
18G1120-66 [B-G-1 (3.5-5.5)]	B209665	10.0	10.0	08/06/18
18G1120-67 [B-G-1 (5.5-7.5)]	B209665	10.0	10.0	08/06/18
18G1120-68 [B-E-1 (3.5-5.5)]	B209665	10.0	10.0	08/06/18
18G1120-69 [B-E-1 (5.5-7.5)]	B209665	10.0	10.0	08/06/18
18G1120-70 [B-E-1 (7.5-9.5)]	B209665	10.0	10.0	08/06/18
18G1120-72 [B-E-1 (11.5-13.5)]	B209665	10.0	10.0	08/06/18
18G1120-73 [B-E-1 (13.5-15.5)]	B209665	10.0	10.0	08/06/18
18G1120-74 [B-E-1 (15.5-17.5)]	B209665	10.0	10.0	08/06/18
18G1120-75 [B-E-3 (3.5-5.5)]	B209665	10.0	10.0	08/06/18
18G1120-76 [B-E-7 (3.5-5.5)]	B209665	10.0	10.0	08/06/18
18G1120-77 [B-E-7 (5.5-7.5)]	B209665	10.0	10.0	08/06/18
18G1120-78 [B-E-7 (7.5-9.5)]	B209665	10.0	10.0	08/06/18
18G1120-79 [B-E-7 (9.7-11.5)]	B209665	10.0	10.0	08/06/18
18G1120-80 [B-E-7 (11.5-13.5)]	B209665	10.0	10.0	08/06/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1120-81 [B-E-3 (5.5-7.5)]	B209666	10.4	10.0	08/06/18
18G1120-82 [B-E-3 (7.5-9.5)]	B209666	10.2	10.0	08/06/18
18G1120-84 [B-E-4 (0-0.5)]	B209666	10.2	10.0	08/06/18
18G1120-86 [BE-9 (5.5-7.5)]	B209666	10.3	10.0	08/06/18
18G1120-87 [B-E-9 (7.5-9.5)]	B209666	10.4	10.0	08/06/18
18G1120-88 [B-E-5 (5.5-7.5)]	B209666	10.6	10.0	08/06/18

**Sample Extraction Data**

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1120-89 [B-E-5 (7.5-9.5)]	B209666	10.4	10.0	08/06/18
18G1120-90 [B-E-5 (9.5-11.5)]	B209666	10.3	10.0	08/06/18
18G1120-91 [B-E-5 (11.5-13.5)]	B209666	10.3	10.0	08/06/18
18G1120-92 [B-E-4 (3.5-5.)]	B209666	10.5	10.0	08/06/18
18G1120-93 [B-E-4 (5.5-7.5)]	B209666	10.6	10.0	08/06/18
18G1120-94 [B-E-4 (7.5-9.5)]	B209666	10.7	10.0	08/06/18
18G1120-95 [B-E-4 (9.5-11.5)]	B209666	10.7	10.0	08/06/18
18G1120-96 [B-E-5 (1.5-2.5)]	B209666	10.3	10.0	08/06/18
18G1120-97 [B-E-5 (2.5-3.5)]	B209666	10.8	10.0	08/06/18
18G1120-98 [B-E-5 (3.5-5.5)]	B209666	10.5	10.0	08/06/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1120-83RE1 [B-E-3 (9.5-11.5)]	B209956	10.1	10.0	08/09/18
18G1120-85RE1 [B-E-9 (3.5-5.5)]	B209956	10.0	10.0	08/09/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1120-71RE1 [B-E-1 99.5-11.5)]	B211214	10.7	10.0	08/27/18

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B209562 - SW-846 3540C**

**Blank (B209562-BLK1)**

Prepared: 08/05/18 Analyzed: 08/21/18

Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.193		mg/Kg wet	0.200		96.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.218		mg/Kg wet	0.200		109	30-150			
Surrogate: Tetrachloro-m-xylene	0.189		mg/Kg wet	0.200		94.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.193		mg/Kg wet	0.200		96.7	30-150			

**LCS (B209562-BS1)**

Prepared: 08/05/18 Analyzed: 08/21/18

Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		89.0	40-140			
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		91.0	40-140			
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		89.5	40-140			
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		93.4	40-140			
Surrogate: Decachlorobiphenyl	0.190		mg/Kg wet	0.200		95.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.213		mg/Kg wet	0.200		107	30-150			
Surrogate: Tetrachloro-m-xylene	0.180		mg/Kg wet	0.200		90.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.185		mg/Kg wet	0.200		92.6	30-150			

**LCS Dup (B209562-BSD1)**

Prepared: 08/05/18 Analyzed: 08/21/18

Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		91.6	40-140	2.88	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		88.3	40-140	3.05	30	
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		88.5	40-140	1.14	30	
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		93.3	40-140	0.0664	30	
Surrogate: Decachlorobiphenyl	0.183		mg/Kg wet	0.200		91.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.207		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene	0.181		mg/Kg wet	0.200		90.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.185		mg/Kg wet	0.200		92.6	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209562 - SW-846 3540C</b>										
<b>Matrix Spike (B209562-MS1)</b>	<b>Source: 18G1120-04</b>			Prepared: 08/05/18 Analyzed: 08/28/18						
Aroclor-1016	0.21	0.086	mg/Kg dry	0.214	ND	99.7	40-140			
Aroclor-1016 [2C]	0.24	0.086	mg/Kg dry	0.214	ND	110	40-140			
Aroclor-1260	0.19	0.086	mg/Kg dry	0.214	ND	87.8	40-140			
Aroclor-1260 [2C]	0.20	0.086	mg/Kg dry	0.214	ND	95.4	40-140			
Surrogate: Decachlorobiphenyl	0.192		mg/Kg dry	0.214		89.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.204		mg/Kg dry	0.214		95.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.206		mg/Kg dry	0.214		96.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.227		mg/Kg dry	0.214		106	30-150			
<b>Matrix Spike Dup (B209562-MSD1)</b>	<b>Source: 18G1120-04</b>			Prepared: 08/05/18 Analyzed: 08/28/18						
Aroclor-1016	0.21	0.086	mg/Kg dry	0.214	ND	98.7	40-140	1.00	50	
Aroclor-1016 [2C]	0.24	0.086	mg/Kg dry	0.214	ND	111	40-140	0.718	50	
Aroclor-1260	0.19	0.086	mg/Kg dry	0.214	ND	90.5	40-140	3.03	50	
Aroclor-1260 [2C]	0.21	0.086	mg/Kg dry	0.214	ND	100	40-140	4.68	50	
Surrogate: Decachlorobiphenyl	0.200		mg/Kg dry	0.214		93.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.209		mg/Kg dry	0.214		97.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.201		mg/Kg dry	0.214		93.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.223		mg/Kg dry	0.214		104	30-150			
<b>Batch B209612 - SW-846 3540C</b>										
<b>Blank (B209612-BLK1)</b>	Prepared: 08/06/18 Analyzed: 08/25/18									
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.179		mg/Kg wet	0.200		89.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.188		mg/Kg wet	0.200		94.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.171		mg/Kg wet	0.200		85.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.173		mg/Kg wet	0.200		86.7	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209612 - SW-846 3540C</b>										
<b>LCS (B209612-BS1)</b> Prepared: 08/06/18 Analyzed: 08/25/18										
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		87.1	40-140			
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		91.0	40-140			
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		84.2	40-140			
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.200		89.8	40-140			
Surrogate: Decachlorobiphenyl	0.189		mg/Kg wet	0.200		94.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.200		mg/Kg wet	0.200		100	30-150			
Surrogate: Tetrachloro-m-xylene	0.177		mg/Kg wet	0.200		88.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.182		mg/Kg wet	0.200		90.9	30-150			
<b>LCS Dup (B209612-BSD1)</b> Prepared: 08/06/18 Analyzed: 08/25/18										
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		88.3	40-140	1.34	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		91.0	40-140	0.0544	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		85.0	40-140	0.939	30	
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.200		90.6	40-140	0.835	30	
Surrogate: Decachlorobiphenyl	0.189		mg/Kg wet	0.200		94.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.200		mg/Kg wet	0.200		100	30-150			
Surrogate: Tetrachloro-m-xylene	0.177		mg/Kg wet	0.200		88.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.181		mg/Kg wet	0.200		90.7	30-150			
<b>Matrix Spike (B209612-MS1)</b> Source: 18G1120-21 Prepared: 08/06/18 Analyzed: 08/25/18										
Aroclor-1016	0.18	0.093	mg/Kg dry	0.232	ND	78.9	40-140			
Aroclor-1016 [2C]	0.19	0.093	mg/Kg dry	0.232	ND	81.8	40-140			
Aroclor-1260	0.14	0.093	mg/Kg dry	0.232	ND	61.4	40-140			
Aroclor-1260 [2C]	0.15	0.093	mg/Kg dry	0.232	ND	65.8	40-140			
Surrogate: Decachlorobiphenyl	0.169		mg/Kg dry	0.232		73.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.193		mg/Kg dry	0.232		83.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.198		mg/Kg dry	0.232		85.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.207		mg/Kg dry	0.232		89.3	30-150			
<b>Matrix Spike Dup (B209612-MSD1)</b> Source: 18G1120-21 Prepared: 08/06/18 Analyzed: 08/25/18										
Aroclor-1016	0.15	0.087	mg/Kg dry	0.217	ND	68.0	40-140	21.5	50	
Aroclor-1016 [2C]	0.15	0.087	mg/Kg dry	0.217	ND	71.4	40-140	20.3	50	
Aroclor-1260	0.12	0.087	mg/Kg dry	0.217	ND	53.1	40-140	21.2	50	
Aroclor-1260 [2C]	0.12	0.087	mg/Kg dry	0.217	ND	56.4	40-140	22.1	50	
Surrogate: Decachlorobiphenyl	0.134		mg/Kg dry	0.217		62.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.153		mg/Kg dry	0.217		70.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.157		mg/Kg dry	0.217		72.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.167		mg/Kg dry	0.217		76.8	30-150			
<b>Batch B209664 - SW-846 3540C</b>										
<b>Blank (B209664-BLK1)</b> Prepared: 08/06/18 Analyzed: 08/11/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							



QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209664 - SW-846 3540C</b>										
<b>Blank (B209664-BLK1)</b> Prepared: 08/06/18 Analyzed: 08/11/18										
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.182		mg/Kg wet	0.200		91.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.193		mg/Kg wet	0.200		96.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.173		mg/Kg wet	0.200		86.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.182		mg/Kg wet	0.200		91.1	30-150			
<b>LCS (B209664-BS1)</b> Prepared: 08/06/18 Analyzed: 08/11/18										
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		84.3	40-140			
Aroclor-1016 [2C]	0.16	0.020	mg/Kg wet	0.200		82.3	40-140			
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		77.3	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		79.9	40-140			
Surrogate: Decachlorobiphenyl	0.174		mg/Kg wet	0.200		86.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.186		mg/Kg wet	0.200		92.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.168		mg/Kg wet	0.200		83.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.175		mg/Kg wet	0.200		87.6	30-150			
<b>LCS Dup (B209664-BSD1)</b> Prepared: 08/06/18 Analyzed: 08/11/18										
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		89.8	40-140	6.28	30	
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		87.2	40-140	5.74	30	
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		81.1	40-140	4.83	30	
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		83.8	40-140	4.77	30	
Surrogate: Decachlorobiphenyl	0.185		mg/Kg wet	0.200		92.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.197		mg/Kg wet	0.200		98.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.180		mg/Kg wet	0.200		90.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.189		mg/Kg wet	0.200		94.4	30-150			
<b>Matrix Spike (B209664-MS1)</b> Source: 18G1120-41 Prepared: 08/06/18 Analyzed: 08/29/18										
Aroclor-1016	0.24	0.086	mg/Kg dry	0.214	ND	114	40-140			
Aroclor-1016 [2C]	0.22	0.086	mg/Kg dry	0.214	ND	103	40-140			
Aroclor-1260	0.32	0.086	mg/Kg dry	0.214	0.092	107	40-140			
<b>Aroclor-1260 [2C]</b>	0.41	0.086	mg/Kg dry	0.214	0.097	<b>146</b>	<b>*</b> 40-140			MS-21
Surrogate: Decachlorobiphenyl	0.186		mg/Kg dry	0.214		87.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.252		mg/Kg dry	0.214		118	30-150			
Surrogate: Tetrachloro-m-xylene	0.183		mg/Kg dry	0.214		85.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.192		mg/Kg dry	0.214		89.7	30-150			
<b>Matrix Spike Dup (B209664-MSD1)</b> Source: 18G1120-41 Prepared: 08/06/18 Analyzed: 08/29/18										
Aroclor-1016	0.25	0.084	mg/Kg dry	0.210	ND	117	40-140	0.904	50	
Aroclor-1016 [2C]	0.22	0.084	mg/Kg dry	0.210	ND	104	40-140	0.936	50	
Aroclor-1260	0.31	0.084	mg/Kg dry	0.210	0.092	105	40-140	2.74	50	
<b>Aroclor-1260 [2C]</b>	0.40	0.084	mg/Kg dry	0.210	0.097	<b>145</b>	<b>*</b> 40-140	1.82	50	MS-21
Surrogate: Decachlorobiphenyl	0.180		mg/Kg dry	0.210		85.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.245		mg/Kg dry	0.210		117	30-150			
Surrogate: Tetrachloro-m-xylene	0.184		mg/Kg dry	0.210		87.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.192		mg/Kg dry	0.210		91.4	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209665 - SW-846 3540C</b>										
<b>Blank (B209665-BLK1)</b>										
Prepared: 08/06/18 Analyzed: 08/11/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.171		mg/Kg wet	0.200		85.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.182		mg/Kg wet	0.200		90.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.170		mg/Kg wet	0.200		84.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.178		mg/Kg wet	0.200		89.1	30-150			
<b>LCS (B209665-BS1)</b>										
Prepared: 08/06/18 Analyzed: 08/11/18										
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		79.2	40-140			
Aroclor-1016 [2C]	0.16	0.020	mg/Kg wet	0.200		78.8	40-140			
Aroclor-1260	0.14	0.020	mg/Kg wet	0.200		71.7	40-140			
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		73.1	40-140			
Surrogate: Decachlorobiphenyl	0.163		mg/Kg wet	0.200		81.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.174		mg/Kg wet	0.200		86.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.162		mg/Kg wet	0.200		80.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.170		mg/Kg wet	0.200		84.8	30-150			
<b>LCS Dup (B209665-BSD1)</b>										
Prepared: 08/06/18 Analyzed: 08/11/18										
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		87.3	40-140	9.75	30	
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		85.0	40-140	7.53	30	
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		78.7	40-140	9.31	30	
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		80.6	40-140	9.73	30	
Surrogate: Decachlorobiphenyl	0.181		mg/Kg wet	0.200		90.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.193		mg/Kg wet	0.200		96.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.181		mg/Kg wet	0.200		90.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.190		mg/Kg wet	0.200		94.8	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B209665 - SW-846 3540C**

**Matrix Spike (B209665-MS1)**

**Source: 18G1120-61**

Prepared: 08/06/18 Analyzed: 08/25/18

Aroclor-1016	0.22	0.092	mg/Kg dry	0.230	ND	97.0	40-140			
Aroclor-1016 [2C]	0.23	0.092	mg/Kg dry	0.230	ND	99.0	40-140			
Aroclor-1260	0.23	0.092	mg/Kg dry	0.230	ND	98.1	40-140			
Aroclor-1260 [2C]	0.22	0.092	mg/Kg dry	0.230	ND	96.7	40-140			
Surrogate: Decachlorobiphenyl	0.211		mg/Kg dry	0.230		91.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.212		mg/Kg dry	0.230		92.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.210		mg/Kg dry	0.230		91.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.215		mg/Kg dry	0.230		93.4	30-150			

**Matrix Spike Dup (B209665-MSD1)**

**Source: 18G1120-61**

Prepared: 08/06/18 Analyzed: 08/25/18

Aroclor-1016	0.20	0.092	mg/Kg dry	0.230	ND	85.2	40-140	12.9	50	
Aroclor-1016 [2C]	0.20	0.092	mg/Kg dry	0.230	ND	85.3	40-140	14.9	50	
Aroclor-1260	0.19	0.092	mg/Kg dry	0.230	ND	82.4	40-140	17.4	50	
Aroclor-1260 [2C]	0.19	0.092	mg/Kg dry	0.230	ND	81.4	40-140	17.3	50	
Surrogate: Decachlorobiphenyl	0.177		mg/Kg dry	0.230		77.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.179		mg/Kg dry	0.230		77.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.187		mg/Kg dry	0.230		81.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.191		mg/Kg dry	0.230		83.0	30-150			

**Batch B209666 - SW-846 3540C**

**Blank (B209666-BLK1)**

Prepared: 08/06/18 Analyzed: 08/11/18

Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.176		mg/Kg wet	0.200		87.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.187		mg/Kg wet	0.200		93.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.184		mg/Kg wet	0.200		91.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.192		mg/Kg wet	0.200		96.1	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209666 - SW-846 3540C</b>										
<b>LCS (B209666-BS1)</b> Prepared: 08/06/18 Analyzed: 08/11/18										
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		87.3	40-140			
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		86.2	40-140			
Aroclor-1260	0.21	0.020	mg/Kg wet	0.200		106	40-140			
Aroclor-1260 [2C]	0.22	0.020	mg/Kg wet	0.200		112	40-140			
Surrogate: Decachlorobiphenyl	0.181		mg/Kg wet	0.200		90.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.193		mg/Kg wet	0.200		96.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.172		mg/Kg wet	0.200		85.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.180		mg/Kg wet	0.200		90.2	30-150			
<b>LCS Dup (B209666-BSD1)</b> Prepared: 08/06/18 Analyzed: 08/11/18										
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		88.5	40-140	1.38	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		88.3	40-140	2.34	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		82.8	40-140	24.9	30	
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		84.2	40-140	28.7	30	
Surrogate: Decachlorobiphenyl	0.188		mg/Kg wet	0.200		94.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.200		mg/Kg wet	0.200		100	30-150			
Surrogate: Tetrachloro-m-xylene	0.178		mg/Kg wet	0.200		89.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.187		mg/Kg wet	0.200		93.5	30-150			
<b>Matrix Spike (B209666-MS1)</b> Source: 18G1120-81 Prepared: 08/06/18 Analyzed: 08/11/18										
Aroclor-1016	0.15	0.090	mg/Kg dry	0.225	ND	67.9	40-140			
Aroclor-1016 [2C]	0.15	0.090	mg/Kg dry	0.225	ND	68.1	40-140			
Aroclor-1260	0.11	0.090	mg/Kg dry	0.225	ND	51.1	40-140			
Aroclor-1260 [2C]	0.13	0.090	mg/Kg dry	0.225	ND	58.4	40-140			
Surrogate: Decachlorobiphenyl	0.126		mg/Kg dry	0.225		56.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.135		mg/Kg dry	0.225		60.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.155		mg/Kg dry	0.225		69.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.162		mg/Kg dry	0.225		72.3	30-150			
<b>Matrix Spike Dup (B209666-MSD1)</b> Source: 18G1120-81 Prepared: 08/06/18 Analyzed: 08/11/18										
Aroclor-1016	0.15	0.089	mg/Kg dry	0.222	ND	66.4	40-140	3.31	50	
Aroclor-1016 [2C]	0.15	0.089	mg/Kg dry	0.222	ND	65.3	40-140	5.19	50	
Aroclor-1260	0.11	0.089	mg/Kg dry	0.222	ND	50.8	40-140	1.50	50	
Aroclor-1260 [2C]	0.13	0.089	mg/Kg dry	0.222	ND	57.2	40-140	3.01	50	
Surrogate: Decachlorobiphenyl	0.127		mg/Kg dry	0.222		57.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.138		mg/Kg dry	0.222		62.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.159		mg/Kg dry	0.222		71.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.165		mg/Kg dry	0.222		74.3	30-150			
<b>Batch B209956 - SW-846 3540C</b>										
<b>Blank (B209956-BLK1)</b> Prepared: 08/09/18 Analyzed: 08/11/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B209956 - SW-846 3540C**

**Blank (B209956-BLK1)**

Prepared: 08/09/18 Analyzed: 08/11/18

Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.188		mg/Kg wet	0.200		94.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.179		mg/Kg wet	0.200		89.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.182		mg/Kg wet	0.200		90.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.184		mg/Kg wet	0.200		92.1	30-150			

**LCS (B209956-BS1)**

Prepared: 08/09/18 Analyzed: 08/11/18

Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		89.0	40-140			
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		91.4	40-140			
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		84.9	40-140			
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		84.8	40-140			
Surrogate: Decachlorobiphenyl	0.188		mg/Kg wet	0.200		94.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.179		mg/Kg wet	0.200		89.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.181		mg/Kg wet	0.200		90.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.182		mg/Kg wet	0.200		90.9	30-150			

**LCS Dup (B209956-BSD1)**

Prepared: 08/09/18 Analyzed: 08/11/18

Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		88.3	40-140	0.874	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		90.6	40-140	0.921	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		84.2	40-140	0.826	30	
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		84.1	40-140	0.895	30	
Surrogate: Decachlorobiphenyl	0.184		mg/Kg wet	0.200		91.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.175		mg/Kg wet	0.200		87.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.179		mg/Kg wet	0.200		89.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.181		mg/Kg wet	0.200		90.5	30-150			

**Batch B211214 - SW-846 3540C**

**Blank (B211214-BLK1)**

Prepared: 08/27/18 Analyzed: 08/28/18

Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B211214 - SW-846 3540C</b>										
<b>Blank (B211214-BLK1)</b>										
Prepared: 08/27/18 Analyzed: 08/28/18										
Surrogate: Decachlorobiphenyl	0.194		mg/Kg wet	0.200		96.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.201		mg/Kg wet	0.200		100	30-150			
Surrogate: Tetrachloro-m-xylene	0.168		mg/Kg wet	0.200		84.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.175		mg/Kg wet	0.200		87.3	30-150			
<b>LCS (B211214-BS1)</b>										
Prepared: 08/27/18 Analyzed: 08/28/18										
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		91.6	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		94.3	40-140			
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		90.1	40-140			
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		93.0	40-140			
Surrogate: Decachlorobiphenyl	0.209		mg/Kg wet	0.200		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.215		mg/Kg wet	0.200		107	30-150			
Surrogate: Tetrachloro-m-xylene	0.167		mg/Kg wet	0.200		83.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.174		mg/Kg wet	0.200		86.9	30-150			
<b>LCS Dup (B211214-BSD1)</b>										
Prepared: 08/27/18 Analyzed: 08/28/18										
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		90.4	40-140	1.39	30	
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		93.0	40-140	1.46	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		83.5	40-140	7.64	30	
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.200		87.8	40-140	5.71	30	
Surrogate: Decachlorobiphenyl	0.192		mg/Kg wet	0.200		96.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.199		mg/Kg wet	0.200		99.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.166		mg/Kg wet	0.200		83.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.172		mg/Kg wet	0.200		86.2	30-150			

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**QUALITY CONTROL**

**Metals Analyses (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B211573 - SW-846 3051</b>										
<b>Blank (B211573-BLK1)</b>										
Prepared & Analyzed: 08/31/18										
Lead	ND	0.50	mg/Kg wet							
<b>LCS (B211573-BS1)</b>										
Prepared & Analyzed: 08/31/18										
Lead	112	1.5	mg/Kg wet	111	101		83-117.1			
<b>LCS Dup (B211573-BSD1)</b>										
Prepared & Analyzed: 08/31/18										
Lead	120	1.4	mg/Kg wet	111	108		83-117.1	6.68	30	
<b>MRL Check (B211573-MRL1)</b>										
Prepared & Analyzed: 08/31/18										
Lead	0.495	0.49	mg/Kg wet	0.493	101		80-120			

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**QUALITY CONTROL**

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209742 - % Solids</b>										
<b>Duplicate (B209742-DUP1)</b>	<b>Source: 18G1120-01</b>		Prepared: 08/07/18 Analyzed: 08/08/18							
% Solids	83.4		% Wt		83.3			0.0161	20	
<b>Duplicate (B209742-DUP2)</b>	<b>Source: 18G1120-02</b>		Prepared: 08/07/18 Analyzed: 08/08/18							
% Solids	88.1		% Wt		88.1			0.0751	20	
<b>Duplicate (B209742-DUP3)</b>	<b>Source: 18G1120-03</b>		Prepared: 08/07/18 Analyzed: 08/08/18							
% Solids	85.0		% Wt		84.7			0.451	20	
<b>Duplicate (B209742-DUP4)</b>	<b>Source: 18G1120-04</b>		Prepared: 08/07/18 Analyzed: 08/08/18							
% Solids	93.2		% Wt		93.3			0.0475	20	
<b>Duplicate (B209742-DUP5)</b>	<b>Source: 18G1120-05</b>		Prepared: 08/07/18 Analyzed: 08/08/18							
% Solids	86.8		% Wt		88.7			2.19	20	
<b>Duplicate (B209742-DUP6)</b>	<b>Source: 18G1120-06</b>		Prepared: 08/07/18 Analyzed: 08/08/18							
% Solids	89.2		% Wt		88.8			0.428	20	
<b>Batch B209792 - % Solids</b>										
<b>Duplicate (B209792-DUP1)</b>	<b>Source: 18G1120-70</b>		Prepared: 08/08/18 Analyzed: 08/09/18							
% Solids	85.9		% Wt		83.6			2.74	20	
<b>Duplicate (B209792-DUP2)</b>	<b>Source: 18G1120-80</b>		Prepared: 08/08/18 Analyzed: 08/09/18							
% Solids	75.6		% Wt		74.9			0.964	20	
<b>Duplicate (B209792-DUP3)</b>	<b>Source: 18G1120-90</b>		Prepared: 08/08/18 Analyzed: 08/09/18							
% Solids	59.1		% Wt		63.5			7.25	20	



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

B-K-1 (3.5-5.5)

*SW-846 8082A*

Lab Sample ID: 18G1120-05 Date(s) Analyzed: 08/28/2018 08/28/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.4	
	2	0.000	-0.030	0.030	1.4	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-K-9 (5.5-7.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-06 Date(s) Analyzed: 08/28/2018 08/28/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.75	
	2	0.000	-0.030	0.030	0.77	2.6

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-1 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-08 Date(s) Analyzed: 08/21/2018 08/21/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	6.2	
	2	0.000	-0.030	0.030	6.9	10.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-1 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-09 Date(s) Analyzed: 08/21/2018 08/21/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	9.0	
	2	0.000	-0.030	0.030	9.8	7.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-1 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-10 Date(s) Analyzed: 08/21/2018 08/21/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	7.5	
	2	0.000	-0.030	0.030	8.0	6.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-1 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-11 Date(s) Analyzed: 08/21/2018 08/21/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.24	
	2	0.000	-0.030	0.030	0.22	8.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-1 (3.5-5.)**

*SW-846 8082A*

Lab Sample ID: 18G1120-12 Date(s) Analyzed: 08/28/2018 08/28/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.3	
	2	0.000	-0.030	0.030	1.4	7.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-O-8 (3.5-5.)**

*SW-846 8082A*

Lab Sample ID: 18G1120-15 Date(s) Analyzed: 08/28/2018 08/28/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.14	
	2	0.000	-0.030	0.030	0.14	0.0



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-O-8 (5.5-7.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-16 Date(s) Analyzed: 08/28/2018 08/28/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.13	
	2	0.000	-0.030	0.030	0.15	14.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-1 (5.5-7.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-19 Date(s) Analyzed: 08/28/2018 08/28/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	3.6	
	2	0.000	-0.030	0.030	3.9	8.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-3 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-22 Date(s) Analyzed: 08/26/2018 08/26/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.3	
	2	0.000	-0.030	0.030	1.3	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-3 (5.5-7.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-23 Date(s) Analyzed: 08/25/2018 08/25/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.14	
	2	0.000	-0.030	0.030	0.15	6.9

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-5 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-25 Date(s) Analyzed: 08/25/2018 08/25/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.31	
	2	0.000	-0.030	0.030	0.33	6.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-7 (3.5-5.)**

*SW-846 8082A*

Lab Sample ID: 18G1120-30 Date(s) Analyzed: 08/25/2018 08/25/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.46	
	2	0.000	-0.030	0.030	0.50	8.3
Aroclor-1260	1	0.000	-0.030	0.030	0.090	
	2	0.000	-0.030	0.030	0.11	18.9

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-7 (5.5-7.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-31 Date(s) Analyzed: 08/25/2018 08/25/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.22	
	2	0.000	-0.030	0.030	0.24	8.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-9 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-32 Date(s) Analyzed: 08/25/2018 08/25/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.22	9.5



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-9 (9.5-11.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-35 Date(s) Analyzed: 08/25/2018 08/25/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.20	5.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-11 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-38 Date(s) Analyzed: 08/25/2018 08/25/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.087	
	2	0.000	-0.030	0.030	0.087	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-I-11 (9.5-11.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-41 Date(s) Analyzed: 08/29/2018 08/29/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.52	
	2	0.000	-0.030	0.030	0.54	3.8
Aroclor-1260	1	0.000	-0.030	0.030	0.092	
	2	0.000	-0.030	0.030	0.097	5.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-G-11 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-44 Date(s) Analyzed: 08/29/2018 08/29/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	6.5	
	2	0.000	-0.030	0.030	6.6	1.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-G-11 (5.5-7.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-45 Date(s) Analyzed: 08/29/2018 08/29/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.52	
	2	0.000	-0.030	0.030	0.55	5.6

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-G-9 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-50 Date(s) Analyzed: 08/29/2018 08/29/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.10	
	2	0.000	-0.030	0.030	0.097	3.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-G-9 (5.5-7.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-51 Date(s) Analyzed: 08/29/2018 08/29/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.70	
	2	0.000	-0.030	0.030	0.71	1.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-G-7 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-54 Date(s) Analyzed: 08/11/2018 08/11/2018

Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.26	
	2	0.000	-0.030	0.030	0.30	14.3



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-G-3 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-64 Date(s) Analyzed: 08/11/2018 08/11/2018

Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	19000	
	2	0.000	-0.030	0.030	20000	5.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-G-3 (5.5-7.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-65 Date(s) Analyzed: 08/11/2018 08/11/2018

Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.4	
	2	0.000	-0.030	0.030	2.5	4.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-G-1 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-66 Date(s) Analyzed: 08/25/2018 08/25/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	59	
	2	0.000	-0.030	0.030	59	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-G-1 (5.5-7.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-67 Date(s) Analyzed: 08/25/2018 08/25/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.46	
	2	0.000	-0.030	0.030	0.49	6.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-E-1 (3.5-5.5)**

Lab Sample ID: 18G1120-68 Date(s) Analyzed: 08/25/2018 08/25/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.14	
	2	0.000	-0.030	0.030	0.16	13.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-E-1 (5.5-7.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-69 Date(s) Analyzed: 08/25/2018 08/25/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	50	
	2	0.000	-0.030	0.030	49	2.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-E-1 (7.5-9.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-70 Date(s) Analyzed: 08/25/2018 08/25/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	16	
	2	0.000	-0.030	0.030	16	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-E-1 99.5-11.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-71RE1 Date(s) Analyzed: 08/30/2018 08/30/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	48	
	2	0.000	-0.030	0.030	49	2.1



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-E-1 (11.5-13.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-72 Date(s) Analyzed: 08/25/2018 08/25/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.44	
	2	0.000	-0.030	0.030	0.45	2.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-E-1 (13.5-15.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-73 Date(s) Analyzed: 08/25/2018 08/25/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.13	
	2	0.000	-0.030	0.030	0.15	14.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-E-1 (15.5-17.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-74 Date(s) Analyzed: 08/25/2018 08/25/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.96	
	2	0.000	-0.030	0.030	0.91	5.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-E-3 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-75 Date(s) Analyzed: 08/11/2018 08/11/2018

Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	370	
	2	0.000	-0.030	0.030	370	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-E-7 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-76 Date(s) Analyzed: 08/11/2018 08/11/2018

Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.6	
	2	0.000	-0.030	0.030	1.8	11.8

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-E-7 (5.5-7.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-77 Date(s) Analyzed: 08/11/2018 08/11/2018

Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.11	
	2	0.000	-0.030	0.030	0.11	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**BE-9 (5.5-7.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-86 Date(s) Analyzed: 08/25/2018 08/25/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.29	
	2	0.000	-0.030	0.030	0.29	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-E-4 (3.5-5.)**

*SW-846 8082A*

Lab Sample ID: 18G1120-92 Date(s) Analyzed: 08/26/2018 08/26/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	4.5	
	2	0.000	-0.030	0.030	4.5	0.0



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-E-4 (5.5-7.5)**

Lab Sample ID: 18G1120-93 Date(s) Analyzed: 08/25/2018 08/25/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.14	
	2	0.000	-0.030	0.030	0.13	7.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-E-5 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-96 Date(s) Analyzed: 08/11/2018 08/11/2018

Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	15	
	2	0.000	-0.030	0.030	16	6.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-E-5 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-97 Date(s) Analyzed: 08/11/2018 08/11/2018

Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.7	
	2	0.000	-0.030	0.030	2.8	3.6

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-E-5 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18G1120-98 Date(s) Analyzed: 08/25/2018 08/25/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.30	
	2	0.000	-0.030	0.030	0.32	6.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS

*SW-846 8082A*

Lab Sample ID:                     B209562-BS1                                          Date(s) Analyzed:           08/21/2018                     08/21/2018          

Instrument ID (1):                     ECD 9                                          Instrument ID (2):                     ECD 9                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.18	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.19	5.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

*SW-846 8082A*

Lab Sample ID:                     B209562-BSD1                                          Date(s) Analyzed:           08/21/2018                     08/21/2018          

Instrument ID (1):                     ECD 9                                          Instrument ID (2):                     ECD 9                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.18	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.19	5.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike**

*SW-846 8082A*

Lab Sample ID:                   B209562-MS1                                        Date(s) Analyzed:           08/28/2018                     08/28/2018          

Instrument ID (1):                   ECD10                                        Instrument ID (2):                   ECD10                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.24	13.3
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.20	5.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike Dup**

*SW-846 8082A*

Lab Sample ID:                   B209562-MSD1                                        Date(s) Analyzed:           08/28/2018                     08/28/2018          

Instrument ID (1):                   ECD10                                        Instrument ID (2):                   ECD10                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.24	13.3
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.21	10.0



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS

*SW-846 8082A*

Lab Sample ID:                   B209612-BS1                                        Date(s) Analyzed:           08/25/2018                     08/25/2018          

Instrument ID (1):                   ECD10                                        Instrument ID (2):                   ECD10                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.18	5.7
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.18	5.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

<b>LCS Dup</b>
----------------

Lab Sample ID:                   B209612-BSD1                                        Date(s) Analyzed:           08/25/2018                     08/25/2018          

Instrument ID (1):                   ECD10                                        Instrument ID (2):                   ECD10                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.18	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.18	5.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike**

*SW-846 8082A*

Lab Sample ID: B209612-MS1 Date(s) Analyzed: 08/25/2018 08/25/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.19	5.4
Aroclor-1260	1	0.000	-0.030	0.030	0.14	
	2	0.000	-0.030	0.030	0.15	6.9

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike Dup**

*SW-846 8082A*

Lab Sample ID:                   B209612-MSD1                                        Date(s) Analyzed:           08/25/2018                     08/25/2018          

Instrument ID (1):                   ECD10                                        Instrument ID (2):                   ECD10                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.15	
	2	0.000	-0.030	0.030	0.15	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.12	
	2	0.000	-0.030	0.030	0.12	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS

*SW-846 8082A*

Lab Sample ID:                     B209664-BS1                                          Date(s) Analyzed:           08/11/2018                     08/11/2018          

Instrument ID (1):                     ECD4                                          Instrument ID (2):                     ECD4                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.16	6.1
Aroclor-1260	1	0.000	-0.030	0.030	0.15	
	2	0.000	-0.030	0.030	0.16	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

*SW-846 8082A*

Lab Sample ID:                   B209664-BSD1                                        Date(s) Analyzed:           08/11/2018                     08/11/2018          

Instrument ID (1):                   ECD4                                        Instrument ID (2):                   ECD4                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.17	5.7
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.17	6.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike**

*SW-846 8082A*

Lab Sample ID:                     B209664-MS1                                          Date(s) Analyzed:           08/29/2018                     08/29/2018          

Instrument ID (1):                     ECD10                                          Instrument ID (2):                     ECD10                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.24	
	2	0.000	-0.030	0.030	0.22	8.7
Aroclor-1260	1	0.000	-0.030	0.030	0.32	
	2	0.000	-0.030	0.030	0.41	24.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike Dup**

*SW-846 8082A*

Lab Sample ID:                   B209664-MSD1                                        Date(s) Analyzed:           08/29/2018                     08/29/2018          

Instrument ID (1):                   ECD10                                        Instrument ID (2):                   ECD10                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.25	
	2	0.000	-0.030	0.030	0.22	12.8
Aroclor-1260	1	0.000	-0.030	0.030	0.31	
	2	0.000	-0.030	0.030	0.40	25.4



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS
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*SW-846 8082A*

Lab Sample ID: B209665-BS1 Date(s) Analyzed: 08/11/2018 08/11/2018

Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.16	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.14	
	2	0.000	-0.030	0.030	0.15	6.9

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

<b>LCS Dup</b>
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Lab Sample ID:                     B209665-BSD1                                          Date(s) Analyzed:           08/11/2018                     08/11/2018          

Instrument ID (1):                     ECD4                                          Instrument ID (2):                     ECD4                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.17	5.7
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.16	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike**

*SW-846 8082A*

Lab Sample ID:                   B209665-MS1                                        Date(s) Analyzed:           08/25/2018                     08/25/2018          

Instrument ID (1):                   ECD1                                        Instrument ID (2):                   ECD1                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.22	
	2	0.000	-0.030	0.030	0.23	4.4
Aroclor-1260	1	0.000	-0.030	0.030	0.23	
	2	0.000	-0.030	0.030	0.22	4.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike Dup**

*SW-846 8082A*

Lab Sample ID:                   B209665-MSD1                                        Date(s) Analyzed:           08/25/2018                     08/25/2018          

Instrument ID (1):                   ECD1                                        Instrument ID (2):                   ECD1                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.20	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.19	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

<b>LCS</b>
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*SW-846 8082A*

Lab Sample ID:                     B209666-BS1                                          Date(s) Analyzed:           08/11/2018                     08/11/2018          

Instrument ID (1):                     ECD4                                          Instrument ID (2):                     ECD4                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.17	5.7
Aroclor-1260	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.22	4.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

*SW-846 8082A*

Lab Sample ID:                     B209666-BSD1                                          Date(s) Analyzed:           08/11/2018                     08/11/2018          

Instrument ID (1):                     ECD4                                          Instrument ID (2):                     ECD4                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.18	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.17	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike**

*SW-846 8082A*

Lab Sample ID:                   B209666-MS1                                        Date(s) Analyzed:           08/11/2018                     08/11/2018          

Instrument ID (1):                   ECD4                                        Instrument ID (2):                   ECD4                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.15	
	2	0.000	-0.030	0.030	0.15	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.11	
	2	0.000	-0.030	0.030	0.13	8.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike Dup**

*SW-846 8082A*

Lab Sample ID:                   B209666-MSD1                                        Date(s) Analyzed:           08/11/2018                     08/11/2018          

Instrument ID (1):                   ECD4                                        Instrument ID (2):                   ECD4                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.15	
	2	0.000	-0.030	0.030	0.15	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.11	
	2	0.000	-0.030	0.030	0.13	16.7







**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

<b>LCS</b>
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*SW-846 8082A*

Lab Sample ID:                     B211214-BS1                                          Date(s) Analyzed:           08/28/2018                     08/28/2018          

Instrument ID (1):                     ECD10                                          Instrument ID (2):                     ECD10                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.19	5.4
Aroclor-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.19	5.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

*SW-846 8082A*

Lab Sample ID:                     B211214-BSD1                                          Date(s) Analyzed:           08/28/2018                     08/28/2018          

Instrument ID (1):                     ECD10                                          Instrument ID (2):                     ECD10                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.19	5.4
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.18	5.7

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
O-32	A dilution was performed as part of the standard analytical procedure.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<b>SW-846 6010D in Soil</b>	
Lead	CT,NH,NY,AIHA,ME,VA,NC
<b>SW-846 8082A in Soil</b>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019



186-1120  
 Phone: 413-525-2332  
 Fax: 413-525-6405  
 Email: info@contestlabs.com

http://www.contestlabs.com

Doc # 381 Rev 1\_03242017

CHAIN OF CUSTODY RECORD

39 Spruce Street  
 East Longmeadow, MA 01028

Page 1 of 19

Company Name: Wagon + Sampson  
 Address: Scovilleville dr.  
 Phone: 800 Sampson  
 Project Name: Lowway Park  
 Project Location: Scovilleville  
 Project Number:  
 Project Manager: Joe Spencer  
 Con-Test Quote Name/Number:  
 Invoice Recipient: Taylor Smith  
 Sampled By: "

**Requested Turnaround Time**  
 7-Day  10-Day   
 Due Date: 5 day

**Rush-Approval Required**  
 1-Day  3-Day   
 2-Day  4-Day

**Data Delivery**  
 Format: PDF  EXCEL   
 Other:  
 CLP Like Data Pkg Required:   
 Email To: Smith T@USEIA.com  
 Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order #	Sample ID	Date	Time	Matrix	Preservation	Container	Analysis	PCBs (Soxhlet)	Lead
	B-K-1 (0-0.5)	7/25	1400	S	U			✓	✓
	B-K-1 (0.5-1.5)	"	1401					✓	✓
	B-K-2 (1.5-2.5)	"	1402					✓	✓
	B-K-2 (2.5-3.5)	"	1403					✓	✓
01	B-K-2 (3.5-5.5)	"	1404					✓	✓
02	B-K-2 (5.5-7.5)	"	1405					✓	✓
03	B-K-2 (7.5-9.5)	"	1406					✓	✓
04	B-K-2 (9.5-11.5)	"	1407					✓	✓
	B-K-1 (0-0.5)	"	1345					✓	✓
	B-K-1 (0.5-1.5)	"	1346					✓	✓

# of Containers  
 2 Preservation Code  
 3 Container Code

**Dissolved Metals Samples**  
 Field Filtered  
 Lab to Filter

**Orthophosphate Samples**  
 Field Filtered  
 Lab to Filter

- 1 Matrix Codes:**  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)
- 2 Preservation Codes:**  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)
- 3 Container Codes:**  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

Comments: Samples w/ no checkoe analyses to be held

Please use the following codes to indicate possible sample concentration  
 Code column above:  
 Low: C - Clean; U - Unknown

Activate per attached email - MEK  
 8/23/2018

Retinquished by: (signature) [Signature] Date/Time: 7/26/18 1615  
 Received by: (signature) [Signature] Date/Time: 7/26/18 1945  
 Relinquished by: (signature) [Signature] Date/Time: 7/26/18 1945  
 Received by: (signature) [Signature] Date/Time: 7/26/18 1945  
 Relinquished by: (signature) [Signature] Date/Time: 7/26/18 1945  
 Received by: (signature) [Signature] Date/Time: 7/26/18 1945

**Detection Limit Requirements**  
 MA S-1

**Special Requirements**  
 MA MCP Required  
 MCP Certification Form Required  
 CT RCP Required  
 RCP Certification Form Required  
 MA State DW Required  
 Other: PWSID #

**Project Entity**  
 Government  Municipality  MWRA  WRTA  
 Federal  21 J  School  
 City  Brownfield  MBTA

**PCB ONLY**  
 Soxhlet  
 Non Soxhlet

186/120  
Phone: 413-525-2332  
Fax: 413-525-6405  
Email: info@contestlabs.com



**Company Name:** MEK  
**Address:**  
**Phone:**  
**Project Name:** Conway Park  
**Project Location:**  
**Project Number:**  
**Project Manager:**  
**Con-Test Quote Name/Number:**  
**Invoice Recipient:**  
**Sampled By:**

Con-Test Mark Order	Client Sample ID	Collection Date	Analysis Requested	Requested Turnaround Time	Due Date	Matrix Code	Preservation Code	Container Code
B-K-1 (1.5-2.5)	7/25	1347	S	10-Day	7/25	GW		
B-K-2 (2.5-3.5)	"	1348	U	3-Day	"	WM		
B-K-3 (3.5-5.5)	"	1349	U	4-Day	"	DW		
B-K-4 (5.5-7.5)	"	1350	U	EXCEL	"	A		
B-K-4 (7.5-11.5)	"	1351	U	Other	"	S		
B-I-1 (0-0.5)	7/26	9:00		CLP Like Data Pkg Required	7/26	SL		
B-I-1 (0.5-1.5)	"	9:01		Other	"	SOL		
B-I-1 (1.5-3.5)	"	9:02			"	O		
B-I-1 (3.5-5.5)	"	9:03			"	O		
B-I-1 (3.5-5.5)	"	9:04			"	O		

**Comments:** Samples w/ NO checked analyses to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

**Matrix Codes:**  
 GW = Ground Water  
 WM = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

**Preservation Codes:**  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiolsulfate  
 O = Other (please define)

**Container Codes:**  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

**Special Requirements:**  
 IMA MCP Required  
 MCP Certification Form Required  
 CT RCP Required  
 RCP Certification Form Required  
 MA State DW Required

**Project Entity:**  
 Government  
 Federal  
 City  
 Municipality  
 21 J  
 Brownfield  
 MWRA  
 School  
 MBTA  
 WRTA  
 Chromatogram  
 AIHA-LAP, LLC  
 PCB ONLY  
 Soxhlet  
 Non Soxhlet

**con-test ANALYTICAL LABORATORY**  
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Doc # 381 Rev 1\_03242017  
 39 Spruce Street  
 East Longmeadow, MA 01028

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**Company Name:** MEK  
**Address:**  
**Phone:**  
**Project Name:** Conway  
**Project Location:**  
**Project Number:**  
**Project Manager:**  
**Con-Test Quote Name/Number:**  
**Invoice Recipient:**  
**Sampled By:**

Con-Test Work Order	Client Sample ID / Description	Sample Date/Time	Analysis Requested	Matrix Codes	Preservation Codes	Container Codes
13	B0-11 (3.5-5.5)	7/24 14:19	S U	GW = Ground Water WW = Waste Water DW = Drinking Water A = Air S = Soil SL = Sludge SOL = Solid O = Other (please define)	I = Iced H = HCL M = Methanol N = Nitric Acid S = Sulfuric Acid B = Sodium Bisulfate X = Sodium Hydroxide T = Sodium Thiosulfate O = Other (please define)	A = Amber Glass G = Glass P = Plastic ST = Sterile V = Vial S = Summa Canister T = Tedlar Bag O = Other (please define)
14	B0-11 (5.5-7.5)	7/24 14:20	✓			
15	B0-8 (0-0.5)	7/24 13:05	✓			
16	B0-8 (0.5-1.5)	7/24 13:06	✓			
17	B0-8 (1.5-2.5)	7/24 13:07	✓			
18	B0-8 (2.5-3.5)	7/24 13:08	✓			
19	B0-8 (3.5-5.5)	7/24 13:09	✓			
20	B0-8 (5.5-7.5)	7/24 13:10	✓			
21	B0-8 (7.5-9.5)	7/24 13:11	✓			
22	B0-8 (9.5-11.5)	7/24 13:12	✓			

**Requested Turnaround Time:**  7-Day  10-Day

**Due Date:**

**Rush Approval Required:**  1-Day  3-Day  2-Day  4-Day

**Data Delivered:**  PDF  EXCEL  Other: \_\_\_\_\_

**CLP Like Data Pkg Required:**

**Email To:** \_\_\_\_\_

**Fax To #:** \_\_\_\_\_

**Special Requirements:**  MA MCP Required  MCP Certification Form Required  CT RCP Required  RCP Certification Form Required  MA State DW Required  PWSID # \_\_\_\_\_

**Detection Limit Requirements:**  MA  CT  Other: \_\_\_\_\_

**Project Entity:**  Government  Federal  City  Municipality  21 J  Brownfield  MWRA  School  MBTA  WRTA  Chromatogram  AIHA-LAP, LLC  Other: \_\_\_\_\_

**PCB ONLY:**  Soxhlet  Non Soxhlet

**Comments:** Samples w/ no checked analyses to be held

**Relinquished by (signature):** \_\_\_\_\_ **Date/Time:** 7/24

**Received by (signature):** \_\_\_\_\_ **Date/Time:** 7/26/18 16:15

**Relinquished by (signature):** \_\_\_\_\_ **Date/Time:** 7/26/18 19:45

**Received by (signature):** \_\_\_\_\_ **Date/Time:** 7/26/18 19:45

**Relinquished by (signature):** \_\_\_\_\_ **Date/Time:** 7/26/18 19:45

**Received by (signature):** \_\_\_\_\_ **Date/Time:** 7/26/18 19:45

**Relinquished by (signature):** \_\_\_\_\_ **Date/Time:** 7/26/18 19:45

**Received by (signature):** \_\_\_\_\_ **Date/Time:** 7/26/18 19:45



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39 Spruce Street  
East Longmeadow, MA 01028

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CHAIN OF CUSTODY RECORD

1861120  
Phone: 413-525-2332  
Fax: 413-525-6405  
Email: info@contestlabs.com



MEK

Company Name: Conway Park  
Address:  
Phone:  
Project Name:  
Project Location:  
Project Number:  
Project Manager:  
Con-Test Quote Name/Number:  
Invoice Recipient:  
Sampled By:

Requested Turnaround Time:  
7-Day  10-Day   
Due Date:  
Rush Approval Requested:  
1-Day  3-Day   
2-Day  4-Day   
Data Delivery:  
Format: PDF  EXCEL   
Other:  
CLP Like Data Pkg Required:   
Email To:  
Fax To #:

# of Containers	Preservation Code	Container Code
<b>ANALYSIS REQUESTED</b>		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>1 Matrix Codes:</b> GW = Ground Water WW = Waste Water DW = Drinking Water A = Air S = Soil SL = Sludge SOL = Solid O = Other (please define)	<b>2 Preservation Codes:</b> I = Iced H = HCL M = Methanol N = Nitric Acid S = Sulfuric Acid B = Sodium Bisulfate X = Sodium Hydroxide T = Sodium Thiosulfate O = Other (please define)	<b>3 Container Codes:</b> A = Amber Glass G = Glass P = Plastic ST = Sterile V = Vial S = Summa Canister T = Tedlar Bag O = Other (please define)
--	--	---

Con-Test Work Order #	Other Sample ID / Description	Collection Date	Time	Matrix	Preservation	Container	Analysis Requested
19	B-I-1 (5S-7S)	7/26	9:05	S	U		
20	B-I-1 (7S-9S)		9:06				
21	B-I-1 (9S-11S)		9:07				
22	B-I-3 (0-0S)		9:35				
23	B-I-3 (0S-1S)		9:36				
24	B-I-3 (1S-2S)		9:37				
25	B-I-3 (2S-3S)		9:38				
26	B-I-3 (3S-5S)		9:39				
27	B-I-3 (5S-7S)		9:40				
28	B-I-3 (7S-9S)		9:41				

Special Requirements:  
 MA MCP Required  
 MCP Certification Form Required  
 CT RCP Required  
 RCP Certification Form Required  
 MA State DMW Required  
 PMSID #

Relinquished by (signature):  
 Date/Time: 7/26 16:25  
 Received by (signature):  
 Date/Time: 7/26/18  
 Relinquished by (signature):  
 Date/Time: 7/26/18 19:45  
 Received by (signature):  
 Date/Time: 7/26/18 19:45  
 Relinquished by (signature):  
 Date/Time: 7/26/18 19:45  
 Received by (signature):  
 Date/Time: 7/26/18 19:45

Comments:  
 Samples w/ no checked analyses to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Project Entity:  
 Government  
 Federal  
 City  
 Municipality  
 21 J  
 Brownfield  
 WRTA  
 MWRA  
 School  
 MBTA  
 Other:  Chromatogram  AIHA-LAP, LLC





186-1120  
Phone: 413-525-2332  
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Email: info@contestlabs.com



MEK

Company Name: MEK  
 Address: Conway  
 Phone: Conway  
 Project Name: Conway  
 Project Location:  
 Project Number:  
 Project Manager:  
 Con-Test Quote Name/Number:  
 Invoice Recipient:  
 Sampled By:

Requested Turnaround Time  
 7-Day  10-Day   
 Due Date:  
 Rush Approval Required  
 1-Day  3-Day   
 2-Day  4-Day   
 Data Delivery  
 Format: PDF  EXCEL   
 Other:  
 CLP Like Data Pkg Required:   
 Email To:  
 Fax To #:

Con-Test Worksheet	Client Sample Description	Conc	Time	Analysis Requested	Matrix Codes	Preservation Codes	Container Codes
30	B-I-7 (0.5-1.5)	726	10:16	S U	GW = Ground Water WW = Waste Water DW = Drinking Water A = Air S = Soil SL = Sludge SOL = Solid O = Other (please define)	I = Iced H = HCL M = Methanol N = Nitric Acid S = Sulfuric Acid B = Sodium Bisulfate X = Sodium Hydroxide T = Sodium Thiosulfate O = Other (please define)	A = Amber Glass G = Glass P = Plastic ST = Sterile V = Vial S = Surima Carister T = Tedlar Bag O = Other (please define)
31	B-I-7 (1.5-2.5)		10:17	✓			
32	B-I-7 (2.5-3.5)		10:18	✓			
	B-I-7 (3.5-5.5)		10:19	✓			
	B-I-7 (5.5-7.5)		10:20	✓			
	B-I-9 (0-0.5)		11:30	✓			
	B-I-9 (0.5-1.5)		11:31	✓			
	B-I-9 (1.5-2.5)		11:32	✓			
	B-I-9 (2.5-3.5)		11:33	✓			
	B-I-9 (3.5-5.5)		11:34	✓			

Comments: Samples w/ no analyses checked to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Special Requirements:  
 MA MCP Required   
 MCP Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 MA State DMF Required   
 PWSID #

Project Entity:  
 Government  
 Federal  
 City  
 Municipality  
 21 J  
 Brownfield  
 MWRA  
 School  
 MBTA  
 WRTA  
 Chromatogram  
 AHA-LAP, LLC  
 Other

Relinquished by: (signature) [Signature] Date/Time: 7/26  
 Received by: (signature) [Signature] Date/Time: 7/26/08 1615  
 Inquired by: (signature) [Signature] Date/Time: 7/26/08 1945  
 Delivered by: (signature) [Signature] Date/Time: 7/26/08 1945  
 Inquired by: (signature) [Signature] Date/Time: 7/26/08 1945  
 Delivered by: (signature) [Signature] Date/Time: 7/26/08 1945

PCB ONLY  
 Soxhlet  
 Non Soxhlet



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186-1120

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 East Longmeadow, MA 01028

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Company Name: **MEK**  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Project Name: **(O'Malley P-15)**  
 Project Location: \_\_\_\_\_  
 Project Number: \_\_\_\_\_  
 Project Manager: \_\_\_\_\_  
 Con-Test Quote Name/Number: \_\_\_\_\_  
 Invoice Recipient: \_\_\_\_\_  
 Sampled By: \_\_\_\_\_

Con-Test Work Order #	Con-Test Sample ID	Sample Date/Time	Analysis Requested	Matrix Code	Preservation Code	Container Code	Container Code
33	B-I-9 (5.5-1.5)	7/26 11:35	↓	U			
34	B-I-9 (7.5-9.5)	11:36	↓				
35	B-I-9 (9.5-11.5)	11:37	↓				
36	B-I-9 (11.5-13.5)	11:38	↓				
37	B-I-9 (13.5-15)	11:39	↓				
	B-I-11 (0-0.5)	11:40	↓				
	B-I-11 (0.5-1.5)	11:41	↓				
	B-I-11 (1.5-2.5)	11:42	↓				
	B-I-11 (2.5-3.5)	11:43	↓				
38	B-I-11 (3.5-5.5)	11:44	↓				

Comments: **Samples w/ no analyses checked to be held**

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

1 Matrix Codes:  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

2 Preservation Codes:  
 1 = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

3 Container Codes:  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

4 Analysis Requested: **PCRS (Soxhlet)**

5 Matrix Code: **U**

6 Preservation Code: **U**

7 Container Code: **U**

8 Container Code: **U**

9 Date/Time: **7/26 11:35**

10 Date/Time: **7/26 11:36**

11 Date/Time: **7/26 11:37**

12 Date/Time: **7/26 11:38**

13 Date/Time: **7/26 11:39**

14 Date/Time: **7/26 11:40**

15 Date/Time: **7/26 11:41**

16 Date/Time: **7/26 11:42**

17 Date/Time: **7/26 11:43**

18 Date/Time: **7/26 11:44**

19 Date/Time: **7/26 11:45**

20 Date/Time: **7/26 11:45**

21 Date/Time: **7/26 11:45**

22 Date/Time: **7/26 11:45**

23 Date/Time: **7/26 11:45**

24 Date/Time: **7/26 11:45**

25 Date/Time: **7/26 11:45**

26 Date/Time: **7/26 11:45**

27 Date/Time: **7/26 11:45**

28 Date/Time: **7/26 11:45**

29 Date/Time: **7/26 11:45**

30 Date/Time: **7/26 11:45**

31 Date/Time: **7/26 11:45**

32 Date/Time: **7/26 11:45**

33 Date/Time: **7/26 11:45**

34 Date/Time: **7/26 11:45**

35 Date/Time: **7/26 11:45**

36 Date/Time: **7/26 11:45**

37 Date/Time: **7/26 11:45**

38 Date/Time: **7/26 11:45**

39 Date/Time: **7/26 11:45**

40 Date/Time: **7/26 11:45**

41 Date/Time: **7/26 11:45**

42 Date/Time: **7/26 11:45**

43 Date/Time: **7/26 11:45**

44 Date/Time: **7/26 11:45**

45 Date/Time: **7/26 11:45**

46 Date/Time: **7/26 11:45**

47 Date/Time: **7/26 11:45**

48 Date/Time: **7/26 11:45**

49 Date/Time: **7/26 11:45**

50 Date/Time: **7/26 11:45**

51 Date/Time: **7/26 11:45**

52 Date/Time: **7/26 11:45**

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62 Date/Time: **7/26 11:45**

63 Date/Time: **7/26 11:45**

64 Date/Time: **7/26 11:45**

65 Date/Time: **7/26 11:45**

66 Date/Time: **7/26 11:45**

67 Date/Time: **7/26 11:45**

68 Date/Time: **7/26 11:45**

69 Date/Time: **7/26 11:45**

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71 Date/Time: **7/26 11:45**

72 Date/Time: **7/26 11:45**

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85 Date/Time: **7/26 11:45**

86 Date/Time: **7/26 11:45**

87 Date/Time: **7/26 11:45**

88 Date/Time: **7/26 11:45**

89 Date/Time: **7/26 11:45**

90 Date/Time: **7/26 11:45**

91 Date/Time: **7/26 11:45**

92 Date/Time: **7/26 11:45**

93 Date/Time: **7/26 11:45**

94 Date/Time: **7/26 11:45**

95 Date/Time: **7/26 11:45**

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100 Date/Time: **7/26 11:45**

101 Date/Time: **7/26 11:45**

102 Date/Time: **7/26 11:45**

103 Date/Time: **7/26 11:45**

104 Date/Time: **7/26 11:45**

105 Date/Time: **7/26 11:45**

106 Date/Time: **7/26 11:45**

107 Date/Time: **7/26 11:45**

108 Date/Time: **7/26 11:45**

109 Date/Time: **7/26 11:45**

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111 Date/Time: **7/26 11:45**

112 Date/Time: **7/26 11:45**

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115 Date/Time: **7/26 11:45**

116 Date/Time: **7/26 11:45**

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150 Date/Time: **7/26 11:45**

151 Date/Time: **7/26 11:45**

152 Date/Time: **7/26 11:45**

153 Date/Time: **7/26 11:45**

154 Date/Time: **7/26 11:45**

155 Date/Time: **7/26 11:45**

156 Date/Time: **7/26 11:45**

157 Date/Time: **7/26 11:45**

158 Date/Time: **7/26 11:45**

159 Date/Time: **7/26 11:45**

160 Date/Time: **7/26 11:45**

161 Date/Time: **7/26 11:45**

162 Date/Time: **7/26 11:45**

163 Date/Time: **7/26 11:45**

164 Date/Time: **7/26 11:45**

165 Date/Time: **7/26 11:45**

166 Date/Time: **7/26 11:45**

167 Date/Time: **7/26 11:45**

168 Date/Time: **7/26 11:45**

169 Date/Time: **7/26 11:45**

170 Date/Time: **7/26 11:45**

171 Date/Time: **7/26 11:45**

172 Date/Time: **7/26 11:45**

173 Date/Time: **7/26 11:45**

174 Date/Time: **7/26 11:45**

175 Date/Time: **7/26 11:45**

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177 Date/Time: **7/26 11:45**

178 Date/Time: **7/26 11:45**

179 Date/Time: **7/26 11:45**

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181 Date/Time: **7/26 11:45**

182 Date/Time: **7/26 11:45**

183 Date/Time: **7/26 11:45**

184 Date/Time: **7/26 11:45**

185 Date/Time: **7/26 11:45**

186 Date/Time: **7/26 11:45**

187 Date/Time: **7/26 11:45**

188 Date/Time: **7/26 11:45**

189 Date/Time: **7/26 11:45**

190 Date/Time: **7/26 11:45**

191 Date/Time: **7/26 11:45**

192 Date/Time: **7/26 11:45**

193 Date/Time: **7/26 11:45**

194 Date/Time: **7/26 11:45**

195 Date/Time: **7/26 11:45**

196 Date/Time: **7/26 11:45**

197 Date/Time: **7/26 11:45**

198 Date/Time: **7/26 11:45**

199 Date/Time: **7/26 11:45**

200 Date/Time: **7/26 11:45**

201 Date/Time: **7/26 11:45**

202 Date/Time: **7/26 11:45**

203 Date/Time: **7/26 11:45**

204 Date/Time: **7/26 11:45**

205 Date/Time: **7/26 11:45**

206 Date/Time: **7/26 11:45**

207 Date/Time: **7/26 11:45**

208 Date/Time: **7/26 11:45**

209 Date/Time: **7/26 11:45**

210 Date/Time: **7/26 11:45**

211 Date/Time: **7/26 11:45**

212 Date/Time: **7/26 11:45**

213 Date/Time: **7/26 11:45**

214 Date/Time: **7/26 11:45**

215 Date/Time: **7/26 11:45**

216 Date/Time: **7/26 11:45**

217 Date/Time: **7/26 11:45**

218 Date/Time: **7/26 11:45**

219 Date/Time: **7/26 11:45**

220 Date/Time: **7/26 11:45**

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387 Date/Time: **7/26 11:45**

388 Date/Time: **7/26 11:45**

389 Date/Time: **7/26 11:45**

390 Date/Time: **7/26 1**







1861120  
Phone: 413-525-2332  
Fax: 413-525-6405  
Email: info@contestlabs.com



Company Name: Conway  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Project Name: \_\_\_\_\_  
 Project Location: \_\_\_\_\_  
 Project Number: \_\_\_\_\_  
 Project Manager: \_\_\_\_\_  
 Con-Test Quote Name/Number: \_\_\_\_\_  
 Invoice Recipient: \_\_\_\_\_  
 Sampled By: \_\_\_\_\_

Con-Test Work Order #	Client Sample ID / Description	Sample Date	Time	Matrix Code	Preservation Code	Analysis Requested
51	B-G-9 (S.S-7.5)	7/26	12:30	S	U	
52	B-G-9 (7.5-9.5)		12:31			
53	B-G-9 (9.5-11.5)		12:32			
	B-G-7 (0-0.5)		12:35			
	B-G-7 (0.5-1.5)		12:36			
	B-G-7 (1.5-2.5)		12:37			
	B-G-7 (2.5-3.5)		12:38			
54	B-G-7 (3.5-5.5)		12:39			
55	B-G-7 (5.5-7.5)		12:40			
56	B-G-7 (7.5-9.5)		12:41			

Comments: Samples w/ no analyses checked to be held

Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/26  
 Received by: (signature) \_\_\_\_\_ Date/Time: 7/26/18 16:15  
 Invoiced by: (signature) \_\_\_\_\_ Date/Time: 7/26/18 19:45  
 Received by: (signature) \_\_\_\_\_ Date/Time: 7/26/18 19:45  
 Invoiced by: (signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Special Requirements:  MA MCP Required  
 MCP Certification Form Required  
 CT RCP Required  
 RCP Certification Form Required  
 MA State DW Required

PWSID #: \_\_\_\_\_

Project Entity:  Government  Municipality  MWRA  WRTA  Other  
 Federal  21 J  School  AHA-LAP, LLC  
 City  Brownfield  MBTA

PCB ONLY:  Soxhlet  Non Soxhlet





1861120  
Phone: 413-525-2332  
Fax: 413-525-6405  
Email: info@contestlabs.com



Company Name: **CONWAY FALLS**  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Project Name: \_\_\_\_\_  
 Project Location: \_\_\_\_\_  
 Project Number: \_\_\_\_\_  
 Project Manager: \_\_\_\_\_  
 Con-Test Quote Name/Number: \_\_\_\_\_  
 Invoice Recipient: \_\_\_\_\_  
 Sampled By: \_\_\_\_\_

Requested Turnaround Time:  7-Day  10-Day   
 Due Date: \_\_\_\_\_  
 Rush Approval Required:  1-Day  3-Day   
 2-Day  4-Day   
 Data Delivery:  PDF  EXCEL   
 Other: \_\_\_\_\_  
 CLP Like Data Pkg Required:   
 Email To: \_\_\_\_\_  
 Fax To #: \_\_\_\_\_

# of Containers: \_\_\_\_\_  
 2 Preservation Code: \_\_\_\_\_  
 3 Container Code: \_\_\_\_\_  
**Dissolved Metals Samples**  
 Field Filtered  
 Lab to Filter  
**Orthophosphate Samples**  
 Field Filtered  
 Lab to Filter

Con-Test Work Order #	Other Sample ID (see page 1)	Matrix Code	Sample Date	Analysis Requested	Matrix Code	Sample Date	Analysis Requested
57	B-6-7 (9.5-11.5)	S	7/26	PCBS (SOXhrt)	S	12:42	
58	B-6-7 (11.5-13.5)	S		Lead	S	12:45	
	B-6-8 (0-0.5)	S			S	12:55	
	B-6-5 (0.5-1.5)	S			S	12:56	
	B-6-5 (1.5-2.5)	S			S	12:57	
	B-6-5 (2.5-3.5)	S			S	12:58	
59	B-6-5 (3.5-5.5)	S			S	12:59	
60	B-6-5 (5.5-7.5)	S			S	13:00	
61	B-6-5 (7.5-9.5)	S			S	13:01	
62	B-6-5 (9.5-11.5)	S			S	13:02	

Comments: Samples w/ no analysis checked to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/26  
 Received by: (signature) \_\_\_\_\_ Date/Time: 7/26/18 16:15  
 Invoiced by: (signature) \_\_\_\_\_ Date/Time: 7/26/18  
 Invoiced by: (signature) \_\_\_\_\_ Date/Time: 7/26/18  
 Delivered by: (signature) \_\_\_\_\_ Date/Time: 7/26/18 19:45  
 Invoiced by: (signature) \_\_\_\_\_ Date/Time: 7/26/18 19:45  
 Received by: (signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Special Requirements:  MA MCP Required  MA MCP Required  
 MCP Certification Form Required  CT RCP Required  
 RCP Certification Form Required  MA State DW Required

PWSID #: \_\_\_\_\_

Project Entity:  Government  Municipality  MWRA  WRTA  Other  
 Federal  21 J  School  AHA-LAP, LLC  
 City  Brownfield  MBTA

ECB ONLY:  Soxhlet  Non Soxhlet





MEK

Company Name: **CONWAY PARK**  
Address:

Phone:  
Project Name:  
Project Location:  
Project Number:  
Project Manager:

Con-Test Quote Name/Number:  
Invoice Recipient:  
Sampled By:

Requested Turnaround Time  
7-Day  10-Day

Due Date:

Rush Approval Required  
1-Day  3-Day   
2-Day  4-Day

Days Delivery  
Format: PDF  EXCEL   
Other:

CLP Like Data Pkg Required:

Email To:  
Fax To #:

Con-Test Work Order #	Client Sample ID / Description	Project #	Priority	Analysis Requested	Matrix Code	Preservation Code	Container Code
63	B-G-5 (1.5-13.5)	726	1	PCBs (Soxhlet)	S	U	
	B-G-3 (0-0.5)						
	B-G-3 (0.5-1.5)						
	B-G-3 (1.5-2.5)						
	B-G-3 (2.5-3.5)						
	B-G-3 (3.5-5.5)						
	B-G-3 (5.5-7.5)						
	B-G-1 (0-0.5)						
	B-G-1 (0.5-1.5)						
	B-G-1 (1.5-2.5)						

Comments: **Samples w/ no analyses checked to be held**

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) *[Signature]* Date/Time: 7/26

Received by: (signature) *[Signature]* Date/Time: 7/26/18 16:15

Relinquished by: (signature) *[Signature]* Date/Time: 7/26/18 19:45

Received by: (signature) *[Signature]* Date/Time: 7/26/18 19:45

Relinquished by: (signature) *[Signature]* Date/Time: 3.4.3.6

Received by: (signature) *[Signature]*

Special Requirements:  
 MA MCP Required  
 MCP Certification Form Required  
 CT RCP Required  
 RCP Certification Form Required  
 MA State: DW Required  
 PWSID #

Project Entity:  
 Government  
 Federal  
 City  
 Municipality  
 21 J  
 Brownfield  
 MWRA  
 School  
 MBTA  
 WRTA  
 Chromatogram  
 AIHA-LAP, LLC  
 Other

ECB ONLY  
 Soxhlet  
 Non Soxhlet







Company Name: **MEK**  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Project Name: **CONWAY PARK**  
 Project Location: \_\_\_\_\_  
 Project Number: \_\_\_\_\_  
 Project Manager: \_\_\_\_\_  
 Con-Test Quote Name/Number: \_\_\_\_\_  
 Invoice Recipient: \_\_\_\_\_  
 Sampled By: \_\_\_\_\_

Con-Test Work Order #	Client Sample ID	Sample Date	Analysis Requested	Matrix Code	Preservation Code	Container Code
70	B-E-1 (7.5-9.5)	7/26	PCBS (Soxhlet)	S		
71	B-E-2 (9.5-11.5)					
72	B-E-3 (10-0.5)					
73	B-E-1 (11.5-13.5)					
74	B-E-2 (13.5-15.5)					
	B-E-3 (15.5-17.5)					
	B-E-3 (18.5-19.5)					
	B-E-3 (20.5-22.5)					
	B-E-3 (23.5-25.5)					
75	B-E-3 (26.5-28.5)					

Comments: **Samples w/ no checked analyses to be held**

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

1 Matrix Codes:  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

2 Preservation Codes:  
 I = Iced  
 H = HCl  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

3 Container Codes:  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

Requested Turnaround Time:  
 7-Day  10-Day

Due Date: \_\_\_\_\_

Rush Approval Required:  
 1-Day  3-Day   
 2-Day  4-Day

Date Delivery:  
 PDF  EXCEL

Other:  
 CLP Like Data Pkg Required:  
 Email To: \_\_\_\_\_  
 Fax To #: \_\_\_\_\_

Detection Limit Requirements:  
 MA MCP Required   
 MCP Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 MA Static DMV Required

PNISID #: \_\_\_\_\_

Project Entry:  
 Government  Municipality  MWRA  Other  
 Federal  21 J  School  WRTA  
 City  Brownfield  MBTA  ANA-LAP, LLC

Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/26  
 Received by: (signature) \_\_\_\_\_ Date/Time: 7/26/18  
 Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/26/18  
 Received by: (signature) \_\_\_\_\_ Date/Time: 7/26/18  
 Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/26/18  
 Received by: (signature) \_\_\_\_\_ Date/Time: 7/26/18

con-test ANALYTICAL LABORATORY  
 www.contestlabs.com



MEK

Company Name: MEK  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Project Name: \_\_\_\_\_  
 Project Location: \_\_\_\_\_  
 Project Number: \_\_\_\_\_  
 Project Manager: \_\_\_\_\_  
 Con-Test Quote Name/Number: \_\_\_\_\_  
 Invoice Recipient: \_\_\_\_\_  
 Sampled By: \_\_\_\_\_

Con-Test Work Order #	Client Sample ID	Sample Description	Matrix Code	Preservation Code	Analysis Requested	Special Requirements
76	B-E-7 (0.0-0.5)	1503	S	U	PCB (Soxhlet)	
77	B-E-7 (0.5-1.5)	1504	S	U	PCB (Soxhlet)	
78	B-E-7 (1.5-2.5)	1505	S	U	PCB (Soxhlet)	
79	B-E-7 (2.5-3.5)	1506	S	U	PCB (Soxhlet)	
80	B-E-7 (3.5-5.5)	1507	S	U	PCB (Soxhlet)	
	B-E-7 (5.5-7.5)	1508	S	U	PCB (Soxhlet)	
	B-E-7 (7.5-9.5)	1509	S	U	PCB (Soxhlet)	
	B-E-7 (9.5-11.5)	1510	S	U	PCB (Soxhlet)	
	B-E-7 (11.5-13.5)	1511	S	U	PCB (Soxhlet)	
	B-E-9 (0-0.5)	1512	S	U	PCB (Soxhlet)	

Comments: Samples w/ no checked analyses to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by (signature): \_\_\_\_\_ Date/Time: 7/26  
 Received by (signature): \_\_\_\_\_ Date/Time: 7/26  
 Relinquished by (signature): \_\_\_\_\_ Date/Time: 7/14/08  
 Received by (signature): \_\_\_\_\_ Date/Time: 7/14/08  
 Relinquished by (signature): \_\_\_\_\_ Date/Time: 7/26/18  
 Received by (signature): \_\_\_\_\_ Date/Time: 7/26/18

Project Entity:  Government  Federal  City  
 Municipality  21 J  Brownfield  
 WRTA  MBTA  
 Chromatogram  AHA-LAP, LLC

MA MCP Required   
 MCP Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 MA State DW Required

PM/ID # \_\_\_\_\_

con-test ANALYTICAL LABORATORY  
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186-1120  
 Phone: 413-525-2332  
 Fax: 413-525-6405  
 Email: info@contestlabs.com



http://www.contestlabs.com  
 CHAIN OF CUSTODY RECORD

Doc # 381 Rev 1\_03242017  
 29 Spruce Street  
 East Longmeadow, MA 01028

Page 17 of 19

Company Name: **MEK**  
 Address:  
 Phone:  
 Project Name:  
 Project Location:  
 Project Number:  
 Project Manager:  
 Con-Test Quote Name/Number:  
 Invoice Recipient:  
 Sampled By:

Con-Test Work Order #	Client Sample ID / Description	Concentration	Matrix	Analysis Requested	Requested Turnaround Time	Due Date	Approval	Format	Other	CLP Like Data Pkg Required	Email To	Fax To #
85	B-E-9(0.5-1.5)	1524	S	Lead	7-26			PDF				
86	B-E-9(1.5-2.5)	1527	U	PCBs (Soxhlet)				EXCEL				
87	B-E-9(2.5-3.5)	1528	U									
88	B-E-9(3.5-5.5)	1529	U									
89	B-E-9(5.5-7.5)	1530	U									
90	B-E-9(7.5-9.5)	1531	U									
91	B-E-5(5.5-7.5)	1500	U									
	B-E-5(7.5-9.5)	1501	U									
	B-E-5(9.5-11.5)	1502	U									
	B-E-5(11.5-13.5)	1503	U									

Comments: **SAMPLES W/ NO CHECKED ANALYSES TO BE HELD. HOLD B-E-9(3.5-5.5) - MARKED INCORRECT.**

Relinquished by: *[Signature]* Date/Time: 7/26/18  
 Received by: *[Signature]* Date/Time: 7/26/18  
 Relinquished by: *[Signature]* Date/Time: 7/26/18  
 Received by: *[Signature]* Date/Time: 7/26/18

Special Requirements:  
 MA MCP Required   
 MCP Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 MA State DMW Required   
 PWSID #

Project Entity:  
 Government  Municipality  MWRA  WRTA  Other   
 Federal  21J  School  AHA-LAP, LLC   
 City  Brownfield  MBTA

PCB ONLY:  
 Soxhlet  
 Non Soxhlet

con-test ANALYTICAL LABORATORY  
 www.contestlabs.com





186-1120  
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 Fax: 413-525-6405  
 Email: info@contestlabs.com



MEK

Doc # 381 Rev 1\_03242017  
 39 Spruce Street  
 East Longmeadow, MA 01028

Page 19 of 19

Company Name: <b>CONWAY PARK</b> Address: Phone: Project Name: Project Location: Project Number: Project Manager: Con-Test Quote Name/Number: Invoice Recipient: Sampled By:		Requested turnaround time: 7-Day <input type="checkbox"/> 10-Day <input type="checkbox"/> Due Date: Rush approval required: 1-Day <input type="checkbox"/> 3-Day <input type="checkbox"/> 2-Day <input type="checkbox"/> 4-Day <input type="checkbox"/> Data Delivery: Format: PDF <input type="checkbox"/> EXCEL <input type="checkbox"/> Other: CLP Like Data Pkg Required: <input type="checkbox"/> Email To: Fax To #:		ANALYSIS REQUESTED (Handwritten: SOX109, Lead)		# of Containers Preservation Code Container Code Disposal/Reuse Samples: <input type="radio"/> Field Filtered <input type="radio"/> Lab to Filter Onsite/Offsite Samples: <input type="radio"/> Field Filtered <input type="radio"/> Lab to Filter	
Con-Test Work Orders: 96 B-E-5 (0.5-1.5) 97 B-E-5 (1.5-2.5) 98 B-E-5 (2.5-3.5) B-E-5 (3.5-11.5)		Date/Time: 7/26 7/26/18 7/26/18 7/26/18		Matrix Codes: GW = Ground Water WW = Waste Water DW = Drinking Water A = Air S = Soil SL = Sludge SOL = Solid O = Other (please define)		Preservation Codes: I = Iced H = HCL M = Methanol N = Nitric Acid S = Sulfuric Acid B = Sodium Bisulfate X = Sodium Hydroxide T = Sodium Thiosulfate O = Other (please define)	
Date/Time: 7/26 7/26/18 7/26/18 7/26/18		Date/Time: 7/26 7/26/18 7/26/18 7/26/18		Container Codes: A = Amber Glass G = Glass P = Plastic ST = Sterile V = Vial S = Summa Canister T = Tedlar Bag O = Other (please define)		PCB ONLY: <input checked="" type="checkbox"/> Soxhlet <input type="checkbox"/> Non Soxhlet	
Relinquished by: (signature) Received By: (signature) Relinquished by: (signature) Received by: (signature)		Date/Time: 7/26 7/26/18 7/26/18 7/26/18		Special Requirements: MIA MCP Required <input type="checkbox"/> MCP Certification Form Required <input type="checkbox"/> CT RCP Required <input type="checkbox"/> RCP Certification Form Required <input type="checkbox"/> MA State DW Required <input type="checkbox"/> PWSID #		con-test ANALYTICAL LABORATORY www.con-testlabs.com	
Comments: Please use the following codes to indicate possible sample concentration within the Conc Code column above: H - High; M - Medium; L - Low; C - Clean; U - Unknown		Project Entry: <input type="checkbox"/> Government <input type="checkbox"/> Federal <input type="checkbox"/> City <input type="checkbox"/> Municipality <input type="checkbox"/> 21 J <input type="checkbox"/> Brownfield <input type="checkbox"/> WRTA <input type="checkbox"/> School <input type="checkbox"/> MBTA <input type="checkbox"/> MWRRA <input type="checkbox"/> Chromatogram <input type="checkbox"/> AIHA-LAP, LLC Other		Project Entry: <input type="checkbox"/> Government <input type="checkbox"/> Federal <input type="checkbox"/> City <input type="checkbox"/> Municipality <input type="checkbox"/> 21 J <input type="checkbox"/> Brownfield <input type="checkbox"/> WRTA <input type="checkbox"/> School <input type="checkbox"/> MBTA <input type="checkbox"/> MWRRA <input type="checkbox"/> Chromatogram <input type="checkbox"/> AIHA-LAP, LLC Other		Project Entry: <input type="checkbox"/> Government <input type="checkbox"/> Federal <input type="checkbox"/> City <input type="checkbox"/> Municipality <input type="checkbox"/> 21 J <input type="checkbox"/> Brownfield <input type="checkbox"/> WRTA <input type="checkbox"/> School <input type="checkbox"/> MBTA <input type="checkbox"/> MWRRA <input type="checkbox"/> Chromatogram <input type="checkbox"/> AIHA-LAP, LLC Other	



**con-test**  
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False**

Client W+S  
 Received By SE Date 7/26/18 Time 1945

How were the samples received? In Cooler T No Cooler \_\_\_\_\_ On Ice T No Ice \_\_\_\_\_  
 Direct from Sampling \_\_\_\_\_ Ambient \_\_\_\_\_ Melted Ice \_\_\_\_\_

Were samples within Temperature? 2-6°C T By Gun # 8 Actual Temp - 3.4, 3.6  
 By Blank # \_\_\_\_\_ Actual Temp - \_\_\_\_\_

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A  
 Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T  
 Did COC include all Client T Analysis T Sampler Name T  
 pertinent information? Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T  
 Are there Lab to Filters? F Who was notified? \_\_\_\_\_  
 Are there Rushes? F Who was notified? \_\_\_\_\_  
 Are there Short Holds? F Who was notified? \_\_\_\_\_

Is there enough Volume? T  
 Is there Headspace where applicable? N/A MS/MSD? F  
 Proper Media/Containers Used? T Is splitting samples required? F  
 Were trip blanks received? F On COC? F  
 Do all samples have the proper pH? N/A Acid \_\_\_\_\_ Base \_\_\_\_\_

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

**Unused Media**

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Comments:

## Meghan Kelley

---

**From:** Smith, Taylor  
**Sent:** Thursday, August 23, 2018 3:00 PM  
**To:** Meghan Kelley  
**Cc:** Spencer, Joseph  
**Subject:** Releasing additional samples

Meghan-

We have decided to release all remaining samples from Conway Park for PCB analysis (Soxhlet) BESIDES ones with the B-Q-x, B-R-x, and B-S-x nomenclature. (For clarity, that will involve analyzing all samples with the nomenclature B-A-x through B-P-x.)

In addition, we would like to release the following samples for lead analysis:

B-C-5 (11.5-13.5)  
B-G-9 (9.5-11.5)  
B-I-3 (7.5-9.5)  
B-K-11 (9.5-11.5)  
B-O-5 (5.5-7.5)

Please give me a call if you have any questions. I appreciate your help, thanks!

**Taylor Smith**

ENVIRONMENTAL SCIENTIST  
direct: 978-977-0110 x2222  
cell: 978-854-2413



Weston & Sampson  
5 Centennial Drive | Peabody, MA 01960 (HQ)  
tel: 978-532-1900  
westonandsampson.com

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August 3, 2018

Taylor Smith  
Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960

Project Location: Conway Park., Somerville, MA  
Client Job Number:  
Project Number: [none]  
Laboratory Work Order Number: 18G1204

Enclosed are results of analyses for samples received by the laboratory on July 27, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, reading "Meghan E. Kelley". The signature is written in a cursive style with a large, sweeping flourish at the end.

Meghan E. Kelley  
Project Manager

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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 8/3/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1204

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-E-11 (0-0.5)	18G1204-01	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-E-11 (0.5-1.5)	18G1204-02	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-E-11 (1.5-2.5)	18G1204-03	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-E-11 (2.5-3.5)	18G1204-04	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-C-11 (0-0.5)	18G1204-05	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-C-11 (0.5-1.5)	18G1204-06	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-C-11 (1.5-2.5)	18G1204-07	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-C-11 (2.5-3.5)	18G1204-08	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-C-9 (0-0.5)	18G1204-09	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-C-9 (0.5-1.5)	18G1204-10	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-C-9 (1.5-2.5)	18G1204-11	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-C-9 (2.5-3.5)	18G1204-12	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-C-7 (0-0.5)	18G1204-13	Soil		SM 2540G SW-846 6010D SW-846 8082A	



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Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 8/3/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1204

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-C-7 (0.5-1.5)	18G1204-14	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-C-7 (1.5-2.5)	18G1204-15	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-C-7 (2.5-3.5)	18G1204-16	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-C-5 (0-0.5)	18G1204-17	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-C-5 (0.5-1.5)	18G1204-18	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-C-5 (1.5-2.5)	18G1204-19	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-C-5 (2.5-3.5)	18G1204-20	Soil		SM 2540G SW-846 6010D SW-846 8082A	

**CASE NARRATIVE SUMMARY**

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 6010, only Pb was requested and reported.

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SW-846 6010D

**Qualifications:****MS-19**

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

**Analyte & Samples(s) Qualified:****Lead**

18G1204-02[B-E-11 (0.5-1.5)], B209255-MS1

SW-846 8082A

**Qualifications:****MS-22**

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

**Analyte & Samples(s) Qualified:****Aroclor-1260 [2C]**

B209173-MSD1

**O-32**

A dilution was performed as part of the standard analytical procedure.

**Analyte & Samples(s) Qualified:**

18G1204-18[B-C-5 (0.5-1.5)]

**P-01**

Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.

**Analyte & Samples(s) Qualified:****Aroclor-1254 [2C]**

18G1204-08[B-C-11 (2.5-3.5)], 18G1204-13[B-C-7 (0-0.5)], 18G1204-14[B-C-7 (0.5-1.5)]

**Aroclor-1260 [2C]**

18G1204-04[B-E-11 (2.5-3.5)]

**S-01**

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**Analyte & Samples(s) Qualified:****Decachlorobiphenyl**

18G1204-02[B-E-11 (0.5-1.5)], 18G1204-05[B-C-11 (0-0.5)], 18G1204-06[B-C-11 (0.5-1.5)], 18G1204-07[B-C-11 (1.5-2.5)], 18G1204-11[B-C-9 (1.5-2.5)]

**Decachlorobiphenyl [2C]**

18G1204-02[B-E-11 (0.5-1.5)], 18G1204-05[B-C-11 (0-0.5)], 18G1204-06[B-C-11 (0.5-1.5)], 18G1204-07[B-C-11 (1.5-2.5)], 18G1204-11[B-C-9 (1.5-2.5)]

**Tetrachloro-m-xylene**

18G1204-02[B-E-11 (0.5-1.5)], 18G1204-05[B-C-11 (0-0.5)], 18G1204-06[B-C-11 (0.5-1.5)], 18G1204-07[B-C-11 (1.5-2.5)], 18G1204-11[B-C-9 (1.5-2.5)]

**Tetrachloro-m-xylene [2C]**

18G1204-02[B-E-11 (0.5-1.5)], 18G1204-05[B-C-11 (0-0.5)], 18G1204-06[B-C-11 (0.5-1.5)], 18G1204-07[B-C-11 (1.5-2.5)], 18G1204-11[B-C-9 (1.5-2.5)]

**S-02**

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

**Analyte & Samples(s) Qualified:****Decachlorobiphenyl [2C]**

18G1204-16[B-C-7 (2.5-3.5)]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Lisa A. Worthington", is written over a light gray rectangular background.

Lisa A. Worthington  
Project Manager

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-E-11 (0-0.5)

Sampled: 7/27/2018 08:25

Sample ID: 18G1204-01

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.37	mg/Kg dry	16		SW-846 8082A	7/31/18	8/2/18 23:42	KAL
Aroclor-1221 [1]	ND	0.37	mg/Kg dry	16		SW-846 8082A	7/31/18	8/2/18 23:42	KAL
Aroclor-1232 [1]	ND	0.37	mg/Kg dry	16		SW-846 8082A	7/31/18	8/2/18 23:42	KAL
Aroclor-1242 [1]	ND	0.37	mg/Kg dry	16		SW-846 8082A	7/31/18	8/2/18 23:42	KAL
Aroclor-1248 [1]	ND	0.37	mg/Kg dry	16		SW-846 8082A	7/31/18	8/2/18 23:42	KAL
Aroclor-1254 [2]	2.0	0.37	mg/Kg dry	16		SW-846 8082A	7/31/18	8/2/18 23:42	KAL
Aroclor-1260 [1]	ND	0.37	mg/Kg dry	16		SW-846 8082A	7/31/18	8/2/18 23:42	KAL
Aroclor-1262 [1]	ND	0.37	mg/Kg dry	16		SW-846 8082A	7/31/18	8/2/18 23:42	KAL
Aroclor-1268 [1]	ND	0.37	mg/Kg dry	16		SW-846 8082A	7/31/18	8/2/18 23:42	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		77.7	30-150					8/2/18 23:42	
Decachlorobiphenyl [2]		98.2	30-150					8/2/18 23:42	
Tetrachloro-m-xylene [1]		69.8	30-150					8/2/18 23:42	
Tetrachloro-m-xylene [2]		85.1	30-150					8/2/18 23:42	

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-E-11 (0-0.5)

Sampled: 7/27/2018 08:25

Sample ID: 18G1204-01

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	350	0.58	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 13:56	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-E-11 (0-0.5)

Sampled: 7/27/2018 08:25

Sample ID: 18G1204-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.9		% Wt	1		SM 2540G	8/2/18	8/2/18 11:26	MJR

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-E-11 (0.5-1.5)

Sampled: 7/27/2018 08:26

Sample ID: 18G1204-02

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	7/31/18	8/2/18 23:54	KAL
Aroclor-1221 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	7/31/18	8/2/18 23:54	KAL
Aroclor-1232 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	7/31/18	8/2/18 23:54	KAL
Aroclor-1242 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	7/31/18	8/2/18 23:54	KAL
Aroclor-1248 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	7/31/18	8/2/18 23:54	KAL
Aroclor-1254 [2]	10	2.1	mg/Kg dry	100		SW-846 8082A	7/31/18	8/2/18 23:54	KAL
Aroclor-1260 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	7/31/18	8/2/18 23:54	KAL
Aroclor-1262 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	7/31/18	8/2/18 23:54	KAL
Aroclor-1268 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	7/31/18	8/2/18 23:54	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/2/18 23:54	
Decachlorobiphenyl [2]		*	30-150		S-01			8/2/18 23:54	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/2/18 23:54	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/2/18 23:54	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-E-11 (0.5-1.5)

Sampled: 7/27/2018 08:26

Sample ID: 18G1204-02

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	300	0.52	mg/Kg dry	1	MS-19	SW-846 6010D	8/1/18	8/2/18 13:51	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-E-11 (0.5-1.5)

Sampled: 7/27/2018 08:26

Sample ID: 18G1204-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.2		% Wt	1		SM 2540G	8/2/18	8/2/18 11:26	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-E-11 (1.5-2.5)

Sampled: 7/27/2018 08:27

Sample ID: 18G1204-03

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 10:59	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 10:59	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 10:59	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 10:59	KAL
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 10:59	KAL
Aroclor-1254 [2]	0.24	0.084	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 10:59	KAL
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 10:59	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 10:59	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 10:59	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		103	30-150					8/3/18 10:59	
Decachlorobiphenyl [2]		113	30-150					8/3/18 10:59	
Tetrachloro-m-xylene [1]		82.4	30-150					8/3/18 10:59	
Tetrachloro-m-xylene [2]		108	30-150					8/3/18 10:59	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-E-11 (1.5-2.5)

Sampled: 7/27/2018 08:27

Sample ID: 18G1204-03

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	23	0.53	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 14:10	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-E-11 (1.5-2.5)

Sampled: 7/27/2018 08:27

Sample ID: 18G1204-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.7		% Wt	1		SM 2540G	8/2/18	8/2/18 11:26	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-E-11 (2.5-3.5)

Sampled: 7/27/2018 08:28

Sample ID: 18G1204-04

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 11:16	KAL
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 11:16	KAL
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 11:16	KAL
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 11:16	KAL
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 11:16	KAL
Aroclor-1254 [2]	0.22	0.089	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 11:16	KAL
Aroclor-1260 [2]	0.16	0.089	mg/Kg dry	4	P-01	SW-846 8082A	7/31/18	8/3/18 11:16	KAL
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 11:16	KAL
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 11:16	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	87.3		30-150				8/3/18 11:16		
Decachlorobiphenyl [2]	107		30-150				8/3/18 11:16		
Tetrachloro-m-xylene [1]	78.7		30-150				8/3/18 11:16		
Tetrachloro-m-xylene [2]	99.6		30-150				8/3/18 11:16		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-E-11 (2.5-3.5)

Sampled: 7/27/2018 08:28

Sample ID: 18G1204-04

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	270	0.56	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 14:15	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-E-11 (2.5-3.5)

Sampled: 7/27/2018 08:28

Sample ID: 18G1204-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.3		% Wt	1		SM 2540G	8/2/18	8/2/18 11:26	MJR



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-11 (0-0.5)

Sampled: 7/27/2018 09:00

Sample ID: 18G1204-05

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.95	mg/Kg dry	40		SW-846 8082A	7/31/18	8/3/18 0:06	KAL
Aroclor-1221 [1]	ND	0.95	mg/Kg dry	40		SW-846 8082A	7/31/18	8/3/18 0:06	KAL
Aroclor-1232 [1]	ND	0.95	mg/Kg dry	40		SW-846 8082A	7/31/18	8/3/18 0:06	KAL
Aroclor-1242 [1]	ND	0.95	mg/Kg dry	40		SW-846 8082A	7/31/18	8/3/18 0:06	KAL
Aroclor-1248 [1]	ND	0.95	mg/Kg dry	40		SW-846 8082A	7/31/18	8/3/18 0:06	KAL
Aroclor-1254 [2]	8.3	0.95	mg/Kg dry	40		SW-846 8082A	7/31/18	8/3/18 0:06	KAL
Aroclor-1260 [1]	ND	0.95	mg/Kg dry	40		SW-846 8082A	7/31/18	8/3/18 0:06	KAL
Aroclor-1262 [1]	ND	0.95	mg/Kg dry	40		SW-846 8082A	7/31/18	8/3/18 0:06	KAL
Aroclor-1268 [1]	ND	0.95	mg/Kg dry	40		SW-846 8082A	7/31/18	8/3/18 0:06	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/3/18 0:06	
Decachlorobiphenyl [2]		*	30-150		S-01			8/3/18 0:06	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/3/18 0:06	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/3/18 0:06	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-11 (0-0.5)

Sampled: 7/27/2018 09:00

Sample ID: 18G1204-05

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	120	0.58	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 14:20	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-11 (0-0.5)

Sampled: 7/27/2018 09:00

Sample ID: 18G1204-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.1		% Wt	1		SM 2540G	8/2/18	8/2/18 11:26	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-11 (0.5-1.5)

Sampled: 7/27/2018 09:01

Sample ID: 18G1204-06

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	7/31/18	8/3/18 0:18	KAL
Aroclor-1221 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	7/31/18	8/3/18 0:18	KAL
Aroclor-1232 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	7/31/18	8/3/18 0:18	KAL
Aroclor-1242 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	7/31/18	8/3/18 0:18	KAL
Aroclor-1248 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	7/31/18	8/3/18 0:18	KAL
Aroclor-1254 [2]	44	4.5	mg/Kg dry	200		SW-846 8082A	7/31/18	8/3/18 0:18	KAL
Aroclor-1260 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	7/31/18	8/3/18 0:18	KAL
Aroclor-1262 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	7/31/18	8/3/18 0:18	KAL
Aroclor-1268 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	7/31/18	8/3/18 0:18	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/3/18 0:18	
Decachlorobiphenyl [2]		*	30-150		S-01			8/3/18 0:18	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/3/18 0:18	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/3/18 0:18	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-11 (0.5-1.5)

Sampled: 7/27/2018 09:01

Sample ID: 18G1204-06

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	230	0.57	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 14:25	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-11 (0.5-1.5)

Sampled: 7/27/2018 09:01

Sample ID: 18G1204-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.7		% Wt	1		SM 2540G	8/2/18	8/2/18 11:27	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-11 (1.5-2.5)

Sampled: 7/27/2018 09:02

Sample ID: 18G1204-07

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	7/31/18	8/3/18 0:30	KAL
Aroclor-1221 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	7/31/18	8/3/18 0:30	KAL
Aroclor-1232 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	7/31/18	8/3/18 0:30	KAL
Aroclor-1242 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	7/31/18	8/3/18 0:30	KAL
Aroclor-1248 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	7/31/18	8/3/18 0:30	KAL
Aroclor-1254 [2]	9.1	2.1	mg/Kg dry	100		SW-846 8082A	7/31/18	8/3/18 0:30	KAL
Aroclor-1260 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	7/31/18	8/3/18 0:30	KAL
Aroclor-1262 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	7/31/18	8/3/18 0:30	KAL
Aroclor-1268 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	7/31/18	8/3/18 0:30	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/3/18 0:30	
Decachlorobiphenyl [2]		*	30-150		S-01			8/3/18 0:30	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/3/18 0:30	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/3/18 0:30	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-11 (1.5-2.5)

Sampled: 7/27/2018 09:02

Sample ID: 18G1204-07

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	270	0.52	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 14:29	QNW



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-11 (1.5-2.5)

Sampled: 7/27/2018 09:02

Sample ID: 18G1204-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.6		% Wt	1		SM 2540G	8/2/18	8/2/18 11:27	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-11 (2.5-3.5)

Sampled: 7/27/2018 09:03

Sample ID: 18G1204-08

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 11:33	KAL
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 11:33	KAL
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 11:33	KAL
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 11:33	KAL
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 11:33	KAL
Aroclor-1254 [2]	0.36	0.087	mg/Kg dry	4	P-01	SW-846 8082A	7/31/18	8/3/18 11:33	KAL
Aroclor-1260 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 11:33	KAL
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 11:33	KAL
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 11:33	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		60.5	30-150					8/3/18 11:33	
Decachlorobiphenyl [2]		71.0	30-150					8/3/18 11:33	
Tetrachloro-m-xylene [1]		60.5	30-150					8/3/18 11:33	
Tetrachloro-m-xylene [2]		77.6	30-150					8/3/18 11:33	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-11 (2.5-3.5)

Sampled: 7/27/2018 09:03

Sample ID: 18G1204-08

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	310	0.52	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 14:33	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-11 (2.5-3.5)

Sampled: 7/27/2018 09:03

Sample ID: 18G1204-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.4		% Wt	1		SM 2540G	8/2/18	8/2/18 11:27	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-9 (0-0.5)

Sampled: 7/27/2018 09:25

Sample ID: 18G1204-09

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	7/31/18	8/3/18 0:43	KAL
Aroclor-1221 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	7/31/18	8/3/18 0:43	KAL
Aroclor-1232 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	7/31/18	8/3/18 0:43	KAL
Aroclor-1242 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	7/31/18	8/3/18 0:43	KAL
Aroclor-1248 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	7/31/18	8/3/18 0:43	KAL
Aroclor-1254 [2]	5.5	0.47	mg/Kg dry	20		SW-846 8082A	7/31/18	8/3/18 0:43	KAL
Aroclor-1260 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	7/31/18	8/3/18 0:43	KAL
Aroclor-1262 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	7/31/18	8/3/18 0:43	KAL
Aroclor-1268 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	7/31/18	8/3/18 0:43	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.6	30-150					8/3/18 0:43	
Decachlorobiphenyl [2]		97.7	30-150					8/3/18 0:43	
Tetrachloro-m-xylene [1]		76.8	30-150					8/3/18 0:43	
Tetrachloro-m-xylene [2]		99.5	30-150					8/3/18 0:43	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-9 (0-0.5)

Sampled: 7/27/2018 09:25

Sample ID: 18G1204-09

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	130	0.57	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 14:38	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-9 (0-0.5)

Sampled: 7/27/2018 09:25

Sample ID: 18G1204-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.7		% Wt	1		SM 2540G	8/2/18	8/2/18 11:27	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-9 (0.5-1.5)

Sampled: 7/27/2018 09:26

Sample ID: 18G1204-10

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 11:51	KAL
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 11:51	KAL
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 11:51	KAL
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 11:51	KAL
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 11:51	KAL
Aroclor-1254 [2]	0.14	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 11:51	KAL
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 11:51	KAL
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 11:51	KAL
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 11:51	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	78.9		30-150				8/3/18 11:51		
Decachlorobiphenyl [2]	94.2		30-150				8/3/18 11:51		
Tetrachloro-m-xylene [1]	68.1		30-150				8/3/18 11:51		
Tetrachloro-m-xylene [2]	113		30-150				8/3/18 11:51		



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-9 (0.5-1.5)

Sampled: 7/27/2018 09:26

Sample ID: 18G1204-10

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	14	0.57	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 14:42	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-9 (0.5-1.5)

Sampled: 7/27/2018 09:26

Sample ID: 18G1204-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.1		% Wt	1		SM 2540G	8/2/18	8/2/18 11:27	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-9 (1.5-2.5)

Sampled: 7/27/2018 09:27

Sample ID: 18G1204-11

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	7/31/18	8/3/18 12:08	KAL
Aroclor-1221 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	7/31/18	8/3/18 12:08	KAL
Aroclor-1232 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	7/31/18	8/3/18 12:08	KAL
Aroclor-1242 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	7/31/18	8/3/18 12:08	KAL
Aroclor-1248 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	7/31/18	8/3/18 12:08	KAL
Aroclor-1254 [2]	5.2	0.88	mg/Kg dry	40		SW-846 8082A	7/31/18	8/3/18 12:08	KAL
Aroclor-1260 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	7/31/18	8/3/18 12:08	KAL
Aroclor-1262 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	7/31/18	8/3/18 12:08	KAL
Aroclor-1268 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	7/31/18	8/3/18 12:08	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/3/18 12:08	
Decachlorobiphenyl [2]		*	30-150		S-01			8/3/18 12:08	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/3/18 12:08	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/3/18 12:08	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-9 (1.5-2.5)

Sampled: 7/27/2018 09:27

Sample ID: 18G1204-11

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	20	0.54	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 14:47	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-9 (1.5-2.5)

Sampled: 7/27/2018 09:27

Sample ID: 18G1204-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.6		% Wt	1		SM 2540G	8/2/18	8/2/18 11:30	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-9 (2.5-3.5)

Sampled: 7/27/2018 09:28

Sample ID: 18G1204-12

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 12:25	KAL
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 12:25	KAL
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 12:25	KAL
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 12:25	KAL
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 12:25	KAL
Aroclor-1254 [2]	0.32	0.086	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 12:25	KAL
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 12:25	KAL
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 12:25	KAL
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 12:25	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	77.7		30-150				8/3/18 12:25		
Decachlorobiphenyl [2]	91.4		30-150				8/3/18 12:25		
Tetrachloro-m-xylene [1]	75.1		30-150				8/3/18 12:25		
Tetrachloro-m-xylene [2]	99.0		30-150				8/3/18 12:25		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-9 (2.5-3.5)

Sampled: 7/27/2018 09:28

Sample ID: 18G1204-12

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	19	0.54	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 14:51	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-9 (2.5-3.5)

Sampled: 7/27/2018 09:28

Sample ID: 18G1204-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.3		% Wt	1		SM 2540G	8/2/18	8/2/18 11:30	MJR



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-7 (0-0.5)

Sampled: 7/27/2018 09:50

Sample ID: 18G1204-13

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	7/31/18	8/3/18 12:43	KAL
Aroclor-1221 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	7/31/18	8/3/18 12:43	KAL
Aroclor-1232 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	7/31/18	8/3/18 12:43	KAL
Aroclor-1242 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	7/31/18	8/3/18 12:43	KAL
Aroclor-1248 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	7/31/18	8/3/18 12:43	KAL
Aroclor-1254 [2]	1.4	0.20	mg/Kg dry	8	P-01	SW-846 8082A	7/31/18	8/3/18 12:43	KAL
Aroclor-1260 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	7/31/18	8/3/18 12:43	KAL
Aroclor-1262 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	7/31/18	8/3/18 12:43	KAL
Aroclor-1268 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	7/31/18	8/3/18 12:43	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.6	30-150					8/3/18 12:43	
Decachlorobiphenyl [2]		95.8	30-150					8/3/18 12:43	
Tetrachloro-m-xylene [1]		77.0	30-150					8/3/18 12:43	
Tetrachloro-m-xylene [2]		103	30-150					8/3/18 12:43	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-7 (0-0.5)

Sampled: 7/27/2018 09:50

Sample ID: 18G1204-13

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	150	0.61	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 15:05	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-7 (0-0.5)

Sampled: 7/27/2018 09:50

Sample ID: 18G1204-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	78.7		% Wt	1		SM 2540G	8/2/18	8/2/18 11:29	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-7 (0.5-1.5)

Sampled: 7/27/2018 09:51

Sample ID: 18G1204-14

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	7/31/18	8/3/18 13:00	KAL
Aroclor-1221 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	7/31/18	8/3/18 13:00	KAL
Aroclor-1232 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	7/31/18	8/3/18 13:00	KAL
Aroclor-1242 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	7/31/18	8/3/18 13:00	KAL
Aroclor-1248 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	7/31/18	8/3/18 13:00	KAL
Aroclor-1254 [2]	1.1	0.20	mg/Kg dry	8	P-01	SW-846 8082A	7/31/18	8/3/18 13:00	KAL
Aroclor-1260 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	7/31/18	8/3/18 13:00	KAL
Aroclor-1262 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	7/31/18	8/3/18 13:00	KAL
Aroclor-1268 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	7/31/18	8/3/18 13:00	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		77.8	30-150					8/3/18 13:00	
Decachlorobiphenyl [2]		90.3	30-150					8/3/18 13:00	
Tetrachloro-m-xylene [1]		72.0	30-150					8/3/18 13:00	
Tetrachloro-m-xylene [2]		97.7	30-150					8/3/18 13:00	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-7 (0.5-1.5)

Sampled: 7/27/2018 09:51

Sample ID: 18G1204-14

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	200	0.63	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 15:09	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-7 (0.5-1.5)

Sampled: 7/27/2018 09:51

Sample ID: 18G1204-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	78.4		% Wt	1		SM 2540G	8/2/18	8/2/18 11:29	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-7 (1.5-2.5)

Sampled: 7/27/2018 09:52

Sample ID: 18G1204-15

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	7/31/18	8/3/18 13:17	KAL
Aroclor-1221 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	7/31/18	8/3/18 13:17	KAL
Aroclor-1232 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	7/31/18	8/3/18 13:17	KAL
Aroclor-1242 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	7/31/18	8/3/18 13:17	KAL
Aroclor-1248 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	7/31/18	8/3/18 13:17	KAL
Aroclor-1254 [2]	3.5	0.44	mg/Kg dry	20		SW-846 8082A	7/31/18	8/3/18 13:17	KAL
Aroclor-1260 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	7/31/18	8/3/18 13:17	KAL
Aroclor-1262 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	7/31/18	8/3/18 13:17	KAL
Aroclor-1268 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	7/31/18	8/3/18 13:17	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		80.4	30-150					8/3/18 13:17	
Decachlorobiphenyl [2]		94.4	30-150					8/3/18 13:17	
Tetrachloro-m-xylene [1]		75.3	30-150					8/3/18 13:17	
Tetrachloro-m-xylene [2]		102	30-150					8/3/18 13:17	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-7 (1.5-2.5)

Sampled: 7/27/2018 09:52

Sample ID: 18G1204-15

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	67	0.54	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 15:14	QNW



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-7 (1.5-2.5)

Sampled: 7/27/2018 09:52

Sample ID: 18G1204-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.1		% Wt	1		SM 2540G	8/2/18	8/2/18 11:27	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-7 (2.5-3.5)

Sampled: 7/27/2018 09:53

Sample ID: 18G1204-16

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 13:35	KAL
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 13:35	KAL
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 13:35	KAL
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 13:35	KAL
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 13:35	KAL
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 13:35	KAL
Aroclor-1260 [2]	0.12	0.089	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 13:35	KAL
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 13:35	KAL
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 13:35	KAL
Surrogates	% Recovery		Recovery Limits	Flag/Qual					
Decachlorobiphenyl [1]	99.4		30-150			8/3/18 13:35			
<b>Decachlorobiphenyl [2]</b>	<b>159 *</b>		30-150	S-02		8/3/18 13:35			
Tetrachloro-m-xylene [1]	72.0		30-150			8/3/18 13:35			
Tetrachloro-m-xylene [2]	89.8		30-150			8/3/18 13:35			

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-7 (2.5-3.5)

Sampled: 7/27/2018 09:53

Sample ID: 18G1204-16

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	510	0.57	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 15:18	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-7 (2.5-3.5)

Sampled: 7/27/2018 09:53

Sample ID: 18G1204-16

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.8		% Wt	1		SM 2540G	8/2/18	8/2/18 11:30	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-5 (0-0.5)

Sampled: 7/27/2018 10:15

Sample ID: 18G1204-17

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 13:52	KAL
Aroclor-1221 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 13:52	KAL
Aroclor-1232 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 13:52	KAL
Aroclor-1242 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 13:52	KAL
Aroclor-1248 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 13:52	KAL
Aroclor-1254 [2]	0.18	0.099	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 13:52	KAL
Aroclor-1260 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 13:52	KAL
Aroclor-1262 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 13:52	KAL
Aroclor-1268 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 13:52	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	84.0		30-150				8/3/18 13:52		
Decachlorobiphenyl [2]	95.1		30-150				8/3/18 13:52		
Tetrachloro-m-xylene [1]	77.2		30-150				8/3/18 13:52		
Tetrachloro-m-xylene [2]	101		30-150				8/3/18 13:52		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-5 (0-0.5)

Sampled: 7/27/2018 10:15

Sample ID: 18G1204-17

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	11	0.65	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 15:24	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-5 (0-0.5)

Sampled: 7/27/2018 10:15

Sample ID: 18G1204-17

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	79.6		% Wt	1		SM 2540G	8/2/18	8/2/18 11:30	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-5 (0.5-1.5)

Sampled: 7/27/2018 10:16

Sample ID: 18G1204-18

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 14:09	KAL
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 14:09	KAL
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 14:09	KAL
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 14:09	KAL
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 14:09	KAL
Aroclor-1254 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 14:09	KAL
Aroclor-1260 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 14:09	KAL
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 14:09	KAL
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 14:09	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		88.8	30-150					8/3/18 14:09	
Decachlorobiphenyl [2]		101	30-150					8/3/18 14:09	
Tetrachloro-m-xylene [1]		82.8	30-150					8/3/18 14:09	
Tetrachloro-m-xylene [2]		107	30-150					8/3/18 14:09	



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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-5 (0.5-1.5)

Sampled: 7/27/2018 10:16

Sample ID: 18G1204-18

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	3.6	0.54	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 15:28	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-5 (0.5-1.5)

Sampled: 7/27/2018 10:16

Sample ID: 18G1204-18

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.4		% Wt	1		SM 2540G	8/2/18	8/2/18 11:30	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-5 (1.5-2.5)

Sampled: 7/27/2018 10:17

Sample ID: 18G1204-19

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 14:27	KAL
Aroclor-1221 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 14:27	KAL
Aroclor-1232 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 14:27	KAL
Aroclor-1242 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 14:27	KAL
Aroclor-1248 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 14:27	KAL
Aroclor-1254 [2]	0.36	0.081	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 14:27	KAL
Aroclor-1260 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 14:27	KAL
Aroclor-1262 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 14:27	KAL
Aroclor-1268 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	7/31/18	8/3/18 14:27	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		88.3	30-150					8/3/18 14:27	
Decachlorobiphenyl [2]		100	30-150					8/3/18 14:27	
Tetrachloro-m-xylene [1]		78.8	30-150					8/3/18 14:27	
Tetrachloro-m-xylene [2]		105	30-150					8/3/18 14:27	

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-5 (1.5-2.5)

Sampled: 7/27/2018 10:17

Sample ID: 18G1204-19

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	13	0.49	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 15:33	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-5 (1.5-2.5)

Sampled: 7/27/2018 10:17

Sample ID: 18G1204-19

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	98.9		% Wt	1		SM 2540G	8/2/18	8/2/18 11:30	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-5 (2.5-3.5)

Sampled: 7/27/2018 10:18

Sample ID: 18G1204-20

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	7/31/18	8/3/18 14:39	KAL
Aroclor-1221 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	7/31/18	8/3/18 14:39	KAL
Aroclor-1232 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	7/31/18	8/3/18 14:39	KAL
Aroclor-1242 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	7/31/18	8/3/18 14:39	KAL
Aroclor-1248 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	7/31/18	8/3/18 14:39	KAL
Aroclor-1254 [2]	2.1	0.42	mg/Kg dry	20		SW-846 8082A	7/31/18	8/3/18 14:39	KAL
Aroclor-1260 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	7/31/18	8/3/18 14:39	KAL
Aroclor-1262 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	7/31/18	8/3/18 14:39	KAL
Aroclor-1268 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	7/31/18	8/3/18 14:39	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		94.8	30-150					8/3/18 14:39	
Decachlorobiphenyl [2]		106	30-150					8/3/18 14:39	
Tetrachloro-m-xylene [1]		78.0	30-150					8/3/18 14:39	
Tetrachloro-m-xylene [2]		111	30-150					8/3/18 14:39	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-5 (2.5-3.5)

Sampled: 7/27/2018 10:18

Sample ID: 18G1204-20

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	28	0.51	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 15:37	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1204

Date Received: 7/27/2018

Field Sample #: B-C-5 (2.5-3.5)

Sampled: 7/27/2018 10:18

Sample ID: 18G1204-20

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.6		% Wt	1		SM 2540G	8/2/18	8/2/18 11:30	MJR



**Sample Extraction Data**

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18G1204-01 [B-E-11 (0-0.5)]	B209307	08/02/18
18G1204-02 [B-E-11 (0.5-1.5)]	B209307	08/02/18
18G1204-03 [B-E-11 (1.5-2.5)]	B209307	08/02/18
18G1204-04 [B-E-11 (2.5-3.5)]	B209307	08/02/18
18G1204-05 [B-C-11 (0-0.5)]	B209307	08/02/18
18G1204-06 [B-C-11 (0.5-1.5)]	B209307	08/02/18
18G1204-07 [B-C-11 (1.5-2.5)]	B209307	08/02/18
18G1204-08 [B-C-11 (2.5-3.5)]	B209307	08/02/18
18G1204-09 [B-C-9 (0-0.5)]	B209307	08/02/18
18G1204-10 [B-C-9 (0.5-1.5)]	B209307	08/02/18
18G1204-11 [B-C-9 (1.5-2.5)]	B209307	08/02/18
18G1204-12 [B-C-9 (2.5-3.5)]	B209307	08/02/18
18G1204-13 [B-C-7 (0-0.5)]	B209307	08/02/18
18G1204-14 [B-C-7 (0.5-1.5)]	B209307	08/02/18
18G1204-15 [B-C-7 (1.5-2.5)]	B209307	08/02/18
18G1204-16 [B-C-7 (2.5-3.5)]	B209307	08/02/18
18G1204-17 [B-C-5 (0-0.5)]	B209307	08/02/18
18G1204-18 [B-C-5 (0.5-1.5)]	B209307	08/02/18
18G1204-19 [B-C-5 (1.5-2.5)]	B209307	08/02/18
18G1204-20 [B-C-5 (2.5-3.5)]	B209307	08/02/18

**Prep Method: SW-846 3050B-SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1204-01 [B-E-11 (0-0.5)]	B209255	1.49	50.0	08/01/18
18G1204-02 [B-E-11 (0.5-1.5)]	B209255	1.52	50.0	08/01/18
18G1204-03 [B-E-11 (1.5-2.5)]	B209255	1.50	50.0	08/01/18
18G1204-04 [B-E-11 (2.5-3.5)]	B209255	1.52	50.0	08/01/18
18G1204-05 [B-C-11 (0-0.5)]	B209255	1.55	50.0	08/01/18
18G1204-06 [B-C-11 (0.5-1.5)]	B209255	1.49	50.0	08/01/18
18G1204-07 [B-C-11 (1.5-2.5)]	B209255	1.51	50.0	08/01/18
18G1204-08 [B-C-11 (2.5-3.5)]	B209255	1.57	50.0	08/01/18
18G1204-09 [B-C-9 (0-0.5)]	B209255	1.55	50.0	08/01/18
18G1204-10 [B-C-9 (0.5-1.5)]	B209255	1.50	50.0	08/01/18
18G1204-11 [B-C-9 (1.5-2.5)]	B209255	1.54	50.0	08/01/18
18G1204-12 [B-C-9 (2.5-3.5)]	B209255	1.54	50.0	08/01/18
18G1204-13 [B-C-7 (0-0.5)]	B209255	1.57	50.0	08/01/18
18G1204-14 [B-C-7 (0.5-1.5)]	B209255	1.53	50.0	08/01/18
18G1204-15 [B-C-7 (1.5-2.5)]	B209255	1.52	50.0	08/01/18
18G1204-16 [B-C-7 (2.5-3.5)]	B209255	1.49	50.0	08/01/18
18G1204-17 [B-C-5 (0-0.5)]	B209255	1.46	50.0	08/01/18
18G1204-18 [B-C-5 (0.5-1.5)]	B209255	1.52	50.0	08/01/18
18G1204-19 [B-C-5 (1.5-2.5)]	B209255	1.56	50.0	08/01/18
18G1204-20 [B-C-5 (2.5-3.5)]	B209255	1.53	50.0	08/01/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1204-01 [B-E-11 (0-0.5)]	B209173	10.0	10.0	07/31/18
18G1204-02 [B-E-11 (0.5-1.5)]	B209173	10.2	10.0	07/31/18
18G1204-03 [B-E-11 (1.5-2.5)]	B209173	10.0	10.0	07/31/18
18G1204-04 [B-E-11 (2.5-3.5)]	B209173	10.2	10.0	07/31/18
18G1204-05 [B-C-11 (0-0.5)]	B209173	10.1	10.0	07/31/18

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**Sample Extraction Data****Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1204-06 [B-C-11 (0.5-1.5)]	B209173	10.0	10.0	07/31/18
18G1204-07 [B-C-11 (1.5-2.5)]	B209173	10.0	10.0	07/31/18
18G1204-08 [B-C-11 (2.5-3.5)]	B209173	10.0	10.0	07/31/18
18G1204-09 [B-C-9 (0-0.5)]	B209173	10.0	10.0	07/31/18
18G1204-10 [B-C-9 (0.5-1.5)]	B209173	10.0	10.0	07/31/18
18G1204-11 [B-C-9 (1.5-2.5)]	B209173	10.0	10.0	07/31/18
18G1204-12 [B-C-9 (2.5-3.5)]	B209173	10.2	10.0	07/31/18
18G1204-13 [B-C-7 (0-0.5)]	B209173	10.0	10.0	07/31/18
18G1204-14 [B-C-7 (0.5-1.5)]	B209173	10.2	10.0	07/31/18
18G1204-15 [B-C-7 (1.5-2.5)]	B209173	10.0	10.0	07/31/18
18G1204-16 [B-C-7 (2.5-3.5)]	B209173	10.1	10.0	07/31/18
18G1204-17 [B-C-5 (0-0.5)]	B209173	10.2	10.0	07/31/18
18G1204-18 [B-C-5 (0.5-1.5)]	B209173	10.1	10.0	07/31/18
18G1204-19 [B-C-5 (1.5-2.5)]	B209173	10.0	10.0	07/31/18
18G1204-20 [B-C-5 (2.5-3.5)]	B209173	10.0	10.0	07/31/18

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209173 - SW-846 3540C</b>										
<b>Blank (B209173-BLK1)</b>										
Prepared: 07/31/18 Analyzed: 08/03/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.193		mg/Kg wet	0.200		96.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.216		mg/Kg wet	0.200		108	30-150			
Surrogate: Tetrachloro-m-xylene	0.152		mg/Kg wet	0.200		75.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.187		mg/Kg wet	0.200		93.4	30-150			
<b>LCS (B209173-BS1)</b>										
Prepared: 07/31/18 Analyzed: 08/03/18										
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		83.5	40-140			
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		98.2	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		81.0	40-140			
Aroclor-1260 [2C]	0.21	0.020	mg/Kg wet	0.200		107	40-140			
Surrogate: Decachlorobiphenyl	0.205		mg/Kg wet	0.200		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.232		mg/Kg wet	0.200		116	30-150			
Surrogate: Tetrachloro-m-xylene	0.134		mg/Kg wet	0.200		67.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.202		mg/Kg wet	0.200		101	30-150			
<b>LCS Dup (B209173-BSD1)</b>										
Prepared: 07/31/18 Analyzed: 08/03/18										
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		84.4	40-140	1.04	30	
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		100	40-140	1.90	30	
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		81.5	40-140	0.646	30	
Aroclor-1260 [2C]	0.21	0.020	mg/Kg wet	0.200		107	40-140	0.708	30	
Surrogate: Decachlorobiphenyl	0.204		mg/Kg wet	0.200		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.231		mg/Kg wet	0.200		116	30-150			
Surrogate: Tetrachloro-m-xylene	0.139		mg/Kg wet	0.200		69.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.206		mg/Kg wet	0.200		103	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B209173 - SW-846 3540C**

**Matrix Spike (B209173-MS1)**

**Source: 18G1204-01**

Prepared: 07/31/18 Analyzed: 08/03/18

Aroclor-1016	0.26	0.092	mg/Kg dry	0.230	ND	112	40-140			
Aroclor-1016 [2C]	0.29	0.092	mg/Kg dry	0.230	ND	128	40-140			
Aroclor-1260	0.23	0.092	mg/Kg dry	0.230	ND	98.8	40-140			
Aroclor-1260 [2C]	0.30	0.092	mg/Kg dry	0.230	ND	130	40-140			
Surrogate: Decachlorobiphenyl	0.208		mg/Kg dry	0.230		90.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.233		mg/Kg dry	0.230		101	30-150			
Surrogate: Tetrachloro-m-xylene	0.173		mg/Kg dry	0.230		75.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.238		mg/Kg dry	0.230		103	30-150			

**Matrix Spike Dup (B209173-MSD1)**

**Source: 18G1204-01**

Prepared: 07/31/18 Analyzed: 08/03/18

Aroclor-1016	0.25	0.092	mg/Kg dry	0.230	ND	109	40-140	2.79	50	
Aroclor-1016 [2C]	0.31	0.092	mg/Kg dry	0.230	ND	136	40-140	6.38	50	
Aroclor-1260	0.25	0.092	mg/Kg dry	0.230	ND	107	40-140	8.07	50	
<b>Aroclor-1260 [2C]</b>	0.34	0.092	mg/Kg dry	0.230	ND	<b>146</b>	* 40-140	11.7	50	MS-22
Surrogate: Decachlorobiphenyl	0.216		mg/Kg dry	0.230		93.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.246		mg/Kg dry	0.230		107	30-150			
Surrogate: Tetrachloro-m-xylene	0.190		mg/Kg dry	0.230		82.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.242		mg/Kg dry	0.230		105	30-150			

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**QUALITY CONTROL**

**Metals Analyses (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209255 - SW-846 3050B</b>										
<b>Blank (B209255-BLK1)</b>					Prepared: 08/01/18 Analyzed: 08/02/18					
Lead	ND	0.50	mg/Kg wet							
<b>LCS (B209255-BS1)</b>					Prepared: 08/01/18 Analyzed: 08/02/18					
Lead	105	1.5	mg/Kg wet	111		94.3	83-117.1			
<b>LCS Dup (B209255-BSD1)</b>					Prepared: 08/01/18 Analyzed: 08/02/18					
Lead	110	1.5	mg/Kg wet	111		99.2	83-117.1	4.98	30	
<b>Duplicate (B209255-DUP1)</b>					<b>Source: 18G1204-02</b> Prepared: 08/01/18 Analyzed: 08/02/18					
Lead	289	0.52	mg/Kg dry		303			4.69	35	
<b>MRL Check (B209255-MRL1)</b>					Prepared: 08/01/18 Analyzed: 08/02/18					
Lead	0.525	0.50	mg/Kg wet	0.496		106	80-120			
<b>Matrix Spike (B209255-MS1)</b>					<b>Source: 18G1204-02</b> Prepared: 08/01/18 Analyzed: 08/02/18					
Lead	303	0.52	mg/Kg dry	17.3	303	-0.613 *	75-125			MS-19

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-E-11 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1204-01 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.6	
	2	0.000	-0.030	0.030	2.0	22.2

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-E-11 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1204-02 Date(s) Analyzed: 08/02/2018 08/02/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	7.8	
	2	0.000	-0.030	0.030	10	24.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-E-11 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1204-03 Date(s) Analyzed: 08/03/2018 08/03/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.24	34.1



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-E-11 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1204-04 Date(s) Analyzed: 08/03/2018 08/03/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.22	4.7
Aroclor-1260	1	0.000	-0.030	0.030	0.10	
	2	0.000	-0.030	0.030	0.16	46.2

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-11 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1204-05 Date(s) Analyzed: 08/03/2018 08/03/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	6.6	
	2	0.000	-0.030	0.030	8.3	22.8

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-11 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1204-06 Date(s) Analyzed: 08/03/2018 08/03/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	35	
	2	0.000	-0.030	0.030	44	22.8

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-11 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1204-07 Date(s) Analyzed: 08/03/2018 08/03/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	7.1	
	2	0.000	-0.030	0.030	9.1	23.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-11 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1204-08 Date(s) Analyzed: 08/03/2018 08/03/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.23	
	2	0.000	-0.030	0.030	0.36	44.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-9 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1204-09 Date(s) Analyzed: 08/03/2018 08/03/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	4.3	
	2	0.000	-0.030	0.030	5.5	24.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-9 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1204-10 Date(s) Analyzed: 08/03/2018 08/03/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.11	
	2	0.000	-0.030	0.030	0.14	24.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-9 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1204-11 Date(s) Analyzed: 08/03/2018 08/03/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	3.8	
	2	0.000	-0.030	0.030	5.2	31.1



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-9 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1204-12 Date(s) Analyzed: 08/03/2018 08/03/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.24	
	2	0.000	-0.030	0.030	0.32	28.6

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-7 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1204-13 Date(s) Analyzed: 08/03/2018 08/03/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.93	
	2	0.000	-0.030	0.030	1.4	40.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-C-7 (0.5-1.5)**

Lab Sample ID: 18G1204-14 Date(s) Analyzed: 08/03/2018 08/03/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.64	
	2	0.000	-0.030	0.030	1.1	52.9

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-7 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1204-15 Date(s) Analyzed: 08/03/2018 08/03/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.6	
	2	0.000	-0.030	0.030	3.5	29.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-C-7 (2.5-3.5)**

Lab Sample ID: 18G1204-16 Date(s) Analyzed: 08/03/2018 08/03/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.11	
	2	0.000	-0.030	0.030	0.12	8.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-5 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1204-17 Date(s) Analyzed: 08/03/2018 08/03/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.13	
	2	0.000	-0.030	0.030	0.18	32.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-5 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1204-19 Date(s) Analyzed: 08/03/2018 08/03/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.28	
	2	0.000	-0.030	0.030	0.36	25.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-5 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1204-20 Date(s) Analyzed: 08/03/2018 08/03/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.6	
	2	0.000	-0.030	0.030	2.1	27.0



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

LCS
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Lab Sample ID:                   B209173-BS1                                        Date(s) Analyzed:           08/03/2018                     08/03/2018          

Instrument ID (1):                   ECD10                                        Instrument ID (2):                   ECD10                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.20	16.2
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.21	27.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

*SW-846 8082A*

Lab Sample ID:                   B209173-BSD1                                        Date(s) Analyzed:           08/03/2018                     08/03/2018          

Instrument ID (1):                   ECD10                                        Instrument ID (2):                   ECD10                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.20	16.2
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.21	27.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike**

*SW-846 8082A*

Lab Sample ID:                   B209173-MS1                                        Date(s) Analyzed:           08/03/2018                     08/03/2018          

Instrument ID (1):                   ECD10                                        Instrument ID (2):                   ECD10                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.26	
	2	0.000	-0.030	0.030	0.29	10.9
Aroclor-1260	1	0.000	-0.030	0.030	0.23	
	2	0.000	-0.030	0.030	0.30	26.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike Dup**

*SW-846 8082A*

Lab Sample ID:                   B209173-MSD1                                        Date(s) Analyzed:           08/03/2018                     08/03/2018          

Instrument ID (1):                   ECD10                                        Instrument ID (2):                   ECD10                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.25	
	2	0.000	-0.030	0.030	0.31	21.4
Aroclor-1260	1	0.000	-0.030	0.030	0.25	
	2	0.000	-0.030	0.030	0.34	30.5

**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.
MS-22	Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.
O-32	A dilution was performed as part of the standard analytical procedure.
P-01	Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<b>SW-846 6010D in Soil</b>	
Lead	CT,NH,NY,AIHA,ME,VA,NC
<b>SW-846 8082A in Soil</b>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

18612004

Phone: 413-525-2332

Fax: 413-525-6405

Email: info@contestlabs.com



Address: 1800 Sampson  
Wickford & Sampson  
Conway Park  
Somerville  
Project Location: Somerville  
Project Number:  
Project Manager: Joe Spore  
Con-Test Quote Name/Number:  
Invoice Recipient: Taylor Smith  
Sampled By:

Requested Turnaround Time  
7-Day  10-Day   
Due Date: 5 Day  
Pushed Turnaround Required  
1-Day  3-Day   
2-Day  4-Day   
Format: PDF  EXCEL  
Other:  
CLP Like Data Pkg Required:   
Email To: SM@HOUSEINC.COM  
Fax To #:

Client Sample # / Description	Priority	Sample Date	Analysis Requested	Matrix Codes	Preservation Codes	Container Codes
B-E-11 (0-0.5)	7/27	8:25	S U	GW = Ground Water WW = Waste Water DW = Drinking Water A = Air S = Soil SL = Sludge SOL = Solid O = Other (please define)	I = Ice H = HCL M = Methanol N = Nitric Acid S = Sulfuric Acid B = Sodium Bisulfate X = Sodium Hydroxide T = Sodium Thiosulfate O = Other (please define)	A = Amber Glass G = Glass P = Plastic ST = Sterile V = Vial S = Summa Canister T = Tedlar Bag O = Other (please define)
B-E-11 (0.5-1.5)		8:26				
B-E-11 (1.5-2.5)		8:27				
B-E-11 (2.5-3.5)		8:28				
B-E-11 (3.5-5.5)		8:29				
B-E-11 (5.5-7.5)		8:30				
B-E-11 (7.5-9.5)		8:31				
B-E-11 (9.5-11.5)		8:32				
B-E-11 (11.5-13.5)		8:33				
B-E-11 (0-0.5)		9:00				

Handwritten notes: PCBs (Soxhlet), PCBs

Comments: Samples w/ no analyses to be held

Special Requirements: MA MCP Required, MA State BW Required

Project Entity: Government, Federal, City, Municipality, Brownfield, MWRA, School, MBTA, WRTA, Chromatogram, AIMA-LAP, LLC









Requisitioned Turnaround Time: 7-Day <input type="checkbox"/> 10-Day <input type="checkbox"/> Due Date:		Rush Approval Required: 1-Day <input type="checkbox"/> 3-Day <input type="checkbox"/> 2-Day <input type="checkbox"/> 4-Day <input type="checkbox"/> Date Delivery:		Format: PDF <input type="checkbox"/> EXCEL <input type="checkbox"/> Other:		CLP Like Data Pkg Required: <input type="checkbox"/> Email To:		Fax To #:	
Con-Test Work Order #	Client Sample ID / Description	Sampling Date/Time	Delivery Date/Time	Collection Date/Time	Matrix Code	Preservation Code	Analysis Requested	# of Containers	Container Code
10	B-C-9(2.S-3.S)	7/27 9:28	9:28	9:28	S	U			
	B-C-9(3.S-5.S)	9:29	9:29	9:29					
	B-C-9(5.S-7.S)	9:30	9:30	9:30					
	B-C-9(7.S-9.S)	9:31	9:31	9:31					
	B-C-9(9.S-11.S)	9:32	9:32	9:32					
	B-C-9(11.S-13.S)	9:33	9:33	9:33					
13	B-C-7(0-0.S)	9:50	9:50	9:50					
14	B-C-7(0.S-1.S)	9:51	9:51	9:51					
15	B-C-7(1.S-2.S)	9:52	9:52	9:52					
16	B-C-7(2.S-3.S)	9:53	9:53	9:53					

Handwritten notes: "PCBS (Soxhlet)", "Lead", "Samples w/ no analyses checked to be held"

Special Requirements: MA MCP Required  MA State DMV Required   
 MCP Certification Form Required  CT RCP Required   
 RCP Certification Form Required

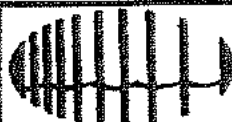
Project Entity: Government  Municipality  City   
 Federal  21 J  Brownfield   
 Other: WRTA  MMRA  School  MBTA   
 Chromatogram  ALPHA-LAP, LLC



Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

PCB ONLY  
 Soxhlet  
 Non Soxhlet





**con-test**  
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False**

Client Weston + Sampson

Received By RAF Date 7/27/18 Time 1945

How were the samples received? In Cooler T No Cooler \_\_\_\_\_ On Ice T No Ice \_\_\_\_\_  
Direct from Sampling \_\_\_\_\_ Ambient \_\_\_\_\_ Melted Ice \_\_\_\_\_

Were samples within Temperature? 2-6°C T By Gun # 8 Actual Temp - 28/4.6/3.3  
By Blank # \_\_\_\_\_ Actual Temp - \_\_\_\_\_

Was Custody Seal Intact? NA Were Samples Tampered with? NA  
Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T  
Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? \_\_\_\_\_

Are there Rushes? F Who was notified? \_\_\_\_\_

Are there Short Holds? F Who was notified? \_\_\_\_\_

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? F

Do all samples have the proper pH? NA Acid \_\_\_\_\_ Base \_\_\_\_\_

Vials	#	Containers	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear <u>20</u>
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

**Unused Media**

Vials	#	Containers	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

**Comments:**

Samples received in 3 coolers.



August 6, 2018

Taylor Smith  
Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960

Project Location: Conway Park., Somerville, MA  
Client Job Number:  
Project Number: [none]  
Laboratory Work Order Number: 18G1205

Enclosed are results of analyses for samples received by the laboratory on July 27, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Meghan E. Kelley". The signature is written in a cursive style with a large, sweeping 'y' at the end.

Meghan E. Kelley  
Project Manager

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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 8/6/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1205

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-C-4.5 (0-0.5)	18G1205-01	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-C-4.5 (0.5-1.5)	18G1205-02	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-C-4.5 (1.5-2.5)	18G1205-03	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-C-4.5 (2.5-3.5)	18G1205-04	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-C-4 (0-0.5)	18G1205-05	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-C-4 (0.5-1.5)	18G1205-06	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-C-4 (1.5-2.5)	18G1205-07	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-C-4 (2.5-3.5)	18G1205-08	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-C-3.5 (0-0.5)	18G1205-09	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-C-3.5 (0.5-1.5)	18G1205-10	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-C-3.5 (1.5-2.5)	18G1205-11	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-C-3.5 (2.5-3.5)	18G1205-12	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-C-3 (0-0.5)	18G1205-13	Soil		SM 2540G SW-846 6010D SW-846 8082A	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 8/6/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1205

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-C-3 (0.5-1.5)	18G1205-14	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-C-3 (1.5-2.5)	18G1205-15	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-C-3 (2.5-3.5)	18G1205-16	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-C-2 (0-0.5)	18G1205-17	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-C-2 (0.5-1.5)	18G1205-18	Soil		SM 2540G SW-846 6010D SW-846 8082A	

**CASE NARRATIVE SUMMARY**

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 6010, only Pb was requested and reported.

**SW-846 6010D****Qualifications:****MS-19**

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

**Analyte & Samples(s) Qualified:****Lead**

18G1205-01[B-C-4.5 (0-0.5)], B209288-MS1

**R-02**

Duplicate RPD is outside of control limits. Outlier can be attributed to sample non-homogeneity encountered during sample prep.

**Analyte & Samples(s) Qualified:****Lead**

18G1205-01[B-C-4.5 (0-0.5)], B209288-DUP1

**SW-846 8082A****Qualifications:****MS-21**

Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.

**Analyte & Samples(s) Qualified:****Aroclor-1016 [2C]**

B209284-MS1, B209284-MSD1

**Aroclor-1260**

B209284-MS1, B209284-MSD1

**Aroclor-1260 [2C]**

B209284-MS1, B209284-MSD1

**S-01**

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**Analyte & Samples(s) Qualified:****Decachlorobiphenyl**

18G1205-01[B-C-4.5 (0-0.5)], 18G1205-03[B-C-4.5 (1.5-2.5)], 18G1205-04[B-C-4.5 (2.5-3.5)], 18G1205-08[B-C-4 (2.5-3.5)], 18G1205-10[B-C-3.5 (0.5-1.5)], 18G1205-11[B-C-3.5 (1.5-2.5)], 18G1205-12[B-C-3.5 (2.5-3.5)], 18G1205-13[B-C-3 (0-0.5)], 18G1205-14[B-C-3 (0.5-1.5)], 18G1205-15[B-C-3 (1.5-2.5)], 18G1205-16[B-C-3 (2.5-3.5)], 18G1205-17[B-C-2 (0-0.5)], 18G1205-18[B-C-2 (0.5-1.5)]

**Decachlorobiphenyl [2C]**

18G1205-01[B-C-4.5 (0-0.5)], 18G1205-03[B-C-4.5 (1.5-2.5)], 18G1205-04[B-C-4.5 (2.5-3.5)], 18G1205-08[B-C-4 (2.5-3.5)], 18G1205-10[B-C-3.5 (0.5-1.5)], 18G1205-11[B-C-3.5 (1.5-2.5)], 18G1205-12[B-C-3.5 (2.5-3.5)], 18G1205-13[B-C-3 (0-0.5)], 18G1205-14[B-C-3 (0.5-1.5)], 18G1205-15[B-C-3 (1.5-2.5)], 18G1205-16[B-C-3 (2.5-3.5)], 18G1205-17[B-C-2 (0-0.5)], 18G1205-18[B-C-2 (0.5-1.5)]

**Tetrachloro-m-xylene**

18G1205-01[B-C-4.5 (0-0.5)], 18G1205-03[B-C-4.5 (1.5-2.5)], 18G1205-04[B-C-4.5 (2.5-3.5)], 18G1205-08[B-C-4 (2.5-3.5)], 18G1205-10[B-C-3.5 (0.5-1.5)], 18G1205-11[B-C-3.5 (1.5-2.5)], 18G1205-12[B-C-3.5 (2.5-3.5)], 18G1205-13[B-C-3 (0-0.5)], 18G1205-14[B-C-3 (0.5-1.5)], 18G1205-15[B-C-3 (1.5-2.5)], 18G1205-16[B-C-3 (2.5-3.5)], 18G1205-17[B-C-2 (0-0.5)], 18G1205-18[B-C-2 (0.5-1.5)]

**Tetrachloro-m-xylene [2C]**

18G1205-01[B-C-4.5 (0-0.5)], 18G1205-03[B-C-4.5 (1.5-2.5)], 18G1205-04[B-C-4.5 (2.5-3.5)], 18G1205-08[B-C-4 (2.5-3.5)], 18G1205-10[B-C-3.5 (0.5-1.5)], 18G1205-11[B-C-3.5 (1.5-2.5)], 18G1205-12[B-C-3.5 (2.5-3.5)], 18G1205-13[B-C-3 (0-0.5)], 18G1205-14[B-C-3 (0.5-1.5)], 18G1205-15[B-C-3 (1.5-2.5)], 18G1205-16[B-C-3 (2.5-3.5)], 18G1205-17[B-C-2 (0-0.5)], 18G1205-18[B-C-2 (0.5-1.5)]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Lisa A. Worthington", is written over a light gray rectangular background.

Lisa A. Worthington  
Project Manager

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-4.5 (0-0.5)

Sampled: 7/27/2018 10:30

Sample ID: 18G1205-01

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.98	mg/Kg dry	40		SW-846 8082A	8/1/18	8/4/18 11:00	KAL
Aroclor-1221 [1]	ND	0.98	mg/Kg dry	40		SW-846 8082A	8/1/18	8/4/18 11:00	KAL
Aroclor-1232 [1]	ND	0.98	mg/Kg dry	40		SW-846 8082A	8/1/18	8/4/18 11:00	KAL
Aroclor-1242 [1]	ND	0.98	mg/Kg dry	40		SW-846 8082A	8/1/18	8/4/18 11:00	KAL
Aroclor-1248 [1]	ND	0.98	mg/Kg dry	40		SW-846 8082A	8/1/18	8/4/18 11:00	KAL
Aroclor-1254 [2]	6.9	0.98	mg/Kg dry	40		SW-846 8082A	8/1/18	8/4/18 11:00	KAL
Aroclor-1260 [1]	ND	0.98	mg/Kg dry	40		SW-846 8082A	8/1/18	8/4/18 11:00	KAL
Aroclor-1262 [1]	ND	0.98	mg/Kg dry	40		SW-846 8082A	8/1/18	8/4/18 11:00	KAL
Aroclor-1268 [1]	ND	0.98	mg/Kg dry	40		SW-846 8082A	8/1/18	8/4/18 11:00	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/4/18 11:00	
Decachlorobiphenyl [2]		*	30-150		S-01			8/4/18 11:00	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/4/18 11:00	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/4/18 11:00	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-4.5 (0-0.5)

Sampled: 7/27/2018 10:30

Sample ID: 18G1205-01

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	250	0.61	mg/Kg dry	1	R-02, MS-19	SW-846 6010D	8/1/18	8/2/18 18:01	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-4.5 (0-0.5)

Sampled: 7/27/2018 10:30

Sample ID: 18G1205-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.4		% Wt	1		SM 2540G	8/2/18	8/2/18 11:30	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-4.5 (0.5-1.5)

Sampled: 7/27/2018 10:31

Sample ID: 18G1205-02

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/1/18	8/4/18 11:17	KAL
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/1/18	8/4/18 11:17	KAL
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/1/18	8/4/18 11:17	KAL
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/1/18	8/4/18 11:17	KAL
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/1/18	8/4/18 11:17	KAL
Aroclor-1254 [2]	0.31	0.086	mg/Kg dry	4		SW-846 8082A	8/1/18	8/4/18 11:17	KAL
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/1/18	8/4/18 11:17	KAL
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/1/18	8/4/18 11:17	KAL
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/1/18	8/4/18 11:17	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		104	30-150					8/4/18 11:17	
Decachlorobiphenyl [2]		108	30-150					8/4/18 11:17	
Tetrachloro-m-xylene [1]		82.7	30-150					8/4/18 11:17	
Tetrachloro-m-xylene [2]		95.9	30-150					8/4/18 11:17	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-4.5 (0.5-1.5)

Sampled: 7/27/2018 10:31

Sample ID: 18G1205-02

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	12	0.53	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 18:07	MJH



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-4.5 (0.5-1.5)

Sampled: 7/27/2018 10:31

Sample ID: 18G1205-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.4		% Wt	1		SM 2540G	8/2/18	8/2/18 11:35	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-4.5 (1.5-2.5)

Sampled: 7/27/2018 10:32

Sample ID: 18G1205-03

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	460	mg/Kg dry	20000		SW-846 8082A	8/1/18	8/4/18 11:35	KAL
Aroclor-1221 [1]	ND	460	mg/Kg dry	20000		SW-846 8082A	8/1/18	8/4/18 11:35	KAL
Aroclor-1232 [1]	ND	460	mg/Kg dry	20000		SW-846 8082A	8/1/18	8/4/18 11:35	KAL
Aroclor-1242 [1]	ND	460	mg/Kg dry	20000		SW-846 8082A	8/1/18	8/4/18 11:35	KAL
Aroclor-1248 [1]	ND	460	mg/Kg dry	20000		SW-846 8082A	8/1/18	8/4/18 11:35	KAL
Aroclor-1254 [2]	1200	460	mg/Kg dry	20000		SW-846 8082A	8/1/18	8/4/18 11:35	KAL
Aroclor-1260 [1]	ND	460	mg/Kg dry	20000		SW-846 8082A	8/1/18	8/4/18 11:35	KAL
Aroclor-1262 [1]	ND	460	mg/Kg dry	20000		SW-846 8082A	8/1/18	8/4/18 11:35	KAL
Aroclor-1268 [1]	ND	460	mg/Kg dry	20000		SW-846 8082A	8/1/18	8/4/18 11:35	KAL
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	*	30-150			S-01			8/4/18 11:35	
Decachlorobiphenyl [2]	*	30-150			S-01			8/4/18 11:35	
Tetrachloro-m-xylene [1]	*	30-150			S-01			8/4/18 11:35	
Tetrachloro-m-xylene [2]	*	30-150			S-01			8/4/18 11:35	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-4.5 (1.5-2.5)

Sampled: 7/27/2018 10:32

Sample ID: 18G1205-03

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	460	0.57	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 18:24	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-4.5 (1.5-2.5)

Sampled: 7/27/2018 10:32

Sample ID: 18G1205-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.8		% Wt	1		SM 2540G	8/2/18	8/2/18 11:35	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-4.5 (2.5-3.5)

Sampled: 7/27/2018 10:33

Sample ID: 18G1205-04

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	470	mg/Kg dry	20000		SW-846 8082A	8/1/18	8/4/18 11:52	KAL
Aroclor-1221 [1]	ND	470	mg/Kg dry	20000		SW-846 8082A	8/1/18	8/4/18 11:52	KAL
Aroclor-1232 [1]	ND	470	mg/Kg dry	20000		SW-846 8082A	8/1/18	8/4/18 11:52	KAL
Aroclor-1242 [1]	ND	470	mg/Kg dry	20000		SW-846 8082A	8/1/18	8/4/18 11:52	KAL
Aroclor-1248 [1]	ND	470	mg/Kg dry	20000		SW-846 8082A	8/1/18	8/4/18 11:52	KAL
Aroclor-1254 [2]	1800	470	mg/Kg dry	20000		SW-846 8082A	8/1/18	8/4/18 11:52	KAL
Aroclor-1260 [1]	ND	470	mg/Kg dry	20000		SW-846 8082A	8/1/18	8/4/18 11:52	KAL
Aroclor-1262 [1]	ND	470	mg/Kg dry	20000		SW-846 8082A	8/1/18	8/4/18 11:52	KAL
Aroclor-1268 [1]	ND	470	mg/Kg dry	20000		SW-846 8082A	8/1/18	8/4/18 11:52	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/4/18 11:52	
Decachlorobiphenyl [2]		*	30-150		S-01			8/4/18 11:52	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/4/18 11:52	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/4/18 11:52	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-4.5 (2.5-3.5)

Sampled: 7/27/2018 10:33

Sample ID: 18G1205-04

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	830	0.59	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 18:30	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-4.5 (2.5-3.5)

Sampled: 7/27/2018 10:33

Sample ID: 18G1205-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.4		% Wt	1		SM 2540G	8/2/18	8/2/18 11:35	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-4 (0-0.5)

Sampled: 7/27/2018 10:50

Sample ID: 18G1205-05

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/1/18	8/4/18 12:10	KAL
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/1/18	8/4/18 12:10	KAL
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/1/18	8/4/18 12:10	KAL
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/1/18	8/4/18 12:10	KAL
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/1/18	8/4/18 12:10	KAL
Aroclor-1254 [1]	0.14	0.087	mg/Kg dry	4		SW-846 8082A	8/1/18	8/4/18 12:10	KAL
Aroclor-1260 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/1/18	8/4/18 12:10	KAL
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/1/18	8/4/18 12:10	KAL
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/1/18	8/4/18 12:10	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	91.9		30-150				8/4/18 12:10		
Decachlorobiphenyl [2]	95.3		30-150				8/4/18 12:10		
Tetrachloro-m-xylene [1]	78.4		30-150				8/4/18 12:10		
Tetrachloro-m-xylene [2]	89.8		30-150				8/4/18 12:10		



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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-4 (0-0.5)

Sampled: 7/27/2018 10:50

Sample ID: 18G1205-05

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	8.7	0.54	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 18:37	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-4 (0-0.5)

Sampled: 7/27/2018 10:50

Sample ID: 18G1205-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.7		% Wt	1		SM 2540G	8/2/18	8/2/18 11:36	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-4 (0.5-1.5)

Sampled: 7/27/2018 10:51

Sample ID: 18G1205-06

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 12:27	KAL
Aroclor-1221 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 12:27	KAL
Aroclor-1232 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 12:27	KAL
Aroclor-1242 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 12:27	KAL
Aroclor-1248 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 12:27	KAL
Aroclor-1254 [2]	3.1	0.44	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 12:27	KAL
Aroclor-1260 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 12:27	KAL
Aroclor-1262 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 12:27	KAL
Aroclor-1268 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 12:27	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		109	30-150					8/4/18 12:27	
Decachlorobiphenyl [2]		113	30-150					8/4/18 12:27	
Tetrachloro-m-xylene [1]		93.8	30-150					8/4/18 12:27	
Tetrachloro-m-xylene [2]		101	30-150					8/4/18 12:27	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-4 (0.5-1.5)

Sampled: 7/27/2018 10:51

Sample ID: 18G1205-06

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	39	0.55	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 18:42	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-4 (0.5-1.5)

Sampled: 7/27/2018 10:51

Sample ID: 18G1205-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.9		% Wt	1		SM 2540G	8/2/18	8/2/18 11:36	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-4 (1.5-2.5)

Sampled: 7/27/2018 10:52

Sample ID: 18G1205-07

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/1/18	8/4/18 12:45	KAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/1/18	8/4/18 12:45	KAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/1/18	8/4/18 12:45	KAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/1/18	8/4/18 12:45	KAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/1/18	8/4/18 12:45	KAL
Aroclor-1254 [1]	0.58	0.090	mg/Kg dry	4		SW-846 8082A	8/1/18	8/4/18 12:45	KAL
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/1/18	8/4/18 12:45	KAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/1/18	8/4/18 12:45	KAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/1/18	8/4/18 12:45	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		97.4	30-150					8/4/18 12:45	
Decachlorobiphenyl [2]		102	30-150					8/4/18 12:45	
Tetrachloro-m-xylene [1]		89.0	30-150					8/4/18 12:45	
Tetrachloro-m-xylene [2]		92.3	30-150					8/4/18 12:45	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-4 (1.5-2.5)

Sampled: 7/27/2018 10:52

Sample ID: 18G1205-07

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	35	0.56	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 18:48	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-4 (1.5-2.5)

Sampled: 7/27/2018 10:52

Sample ID: 18G1205-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.0		% Wt	1		SM 2540G	8/2/18	8/2/18 11:36	MJR



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-4 (2.5-3.5)

Sampled: 7/27/2018 10:53

Sample ID: 18G1205-08

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	450	mg/Kg dry	20000		SW-846 8082A	8/1/18	8/4/18 13:02	KAL
Aroclor-1221 [1]	ND	450	mg/Kg dry	20000		SW-846 8082A	8/1/18	8/4/18 13:02	KAL
Aroclor-1232 [1]	ND	450	mg/Kg dry	20000		SW-846 8082A	8/1/18	8/4/18 13:02	KAL
Aroclor-1242 [1]	ND	450	mg/Kg dry	20000		SW-846 8082A	8/1/18	8/4/18 13:02	KAL
Aroclor-1248 [1]	ND	450	mg/Kg dry	20000		SW-846 8082A	8/1/18	8/4/18 13:02	KAL
Aroclor-1254 [2]	1200	450	mg/Kg dry	20000		SW-846 8082A	8/1/18	8/4/18 13:02	KAL
Aroclor-1260 [1]	ND	450	mg/Kg dry	20000		SW-846 8082A	8/1/18	8/4/18 13:02	KAL
Aroclor-1262 [1]	ND	450	mg/Kg dry	20000		SW-846 8082A	8/1/18	8/4/18 13:02	KAL
Aroclor-1268 [1]	ND	450	mg/Kg dry	20000		SW-846 8082A	8/1/18	8/4/18 13:02	KAL
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	*	30-150			S-01			8/4/18 13:02	
Decachlorobiphenyl [2]	*	30-150			S-01			8/4/18 13:02	
Tetrachloro-m-xylene [1]	*	30-150			S-01			8/4/18 13:02	
Tetrachloro-m-xylene [2]	*	30-150			S-01			8/4/18 13:02	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-4 (2.5-3.5)

Sampled: 7/27/2018 10:53

Sample ID: 18G1205-08

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	590	0.56	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 18:53	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-4 (2.5-3.5)

Sampled: 7/27/2018 10:53

Sample ID: 18G1205-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.4		% Wt	1		SM 2540G	8/2/18	8/2/18 11:36	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-3.5 (0-0.5)

Sampled: 7/27/2018 11:05

Sample ID: 18G1205-09

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/1/18	8/4/18 13:20	KAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/1/18	8/4/18 13:20	KAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/1/18	8/4/18 13:20	KAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/1/18	8/4/18 13:20	KAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/1/18	8/4/18 13:20	KAL
Aroclor-1254 [2]	0.55	0.090	mg/Kg dry	4		SW-846 8082A	8/1/18	8/4/18 13:20	KAL
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/1/18	8/4/18 13:20	KAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/1/18	8/4/18 13:20	KAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/1/18	8/4/18 13:20	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	114		30-150				8/4/18 13:20		
Decachlorobiphenyl [2]	119		30-150				8/4/18 13:20		
Tetrachloro-m-xylene [1]	103		30-150				8/4/18 13:20		
Tetrachloro-m-xylene [2]	106		30-150				8/4/18 13:20		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-3.5 (0-0.5)

Sampled: 7/27/2018 11:05

Sample ID: 18G1205-09

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	12	0.56	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 19:00	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-3.5 (0-0.5)

Sampled: 7/27/2018 11:05

Sample ID: 18G1205-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.4		% Wt	1		SM 2540G	8/2/18	8/2/18 11:36	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-3.5 (0.5-1.5)

Sampled: 7/27/2018 11:06

Sample ID: 18G1205-10

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 13:37	KAL
Aroclor-1221 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 13:37	KAL
Aroclor-1232 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 13:37	KAL
Aroclor-1242 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 13:37	KAL
Aroclor-1248 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 13:37	KAL
Aroclor-1254 [2]	10	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 13:37	KAL
Aroclor-1260 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 13:37	KAL
Aroclor-1262 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 13:37	KAL
Aroclor-1268 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 13:37	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/4/18 13:37	
Decachlorobiphenyl [2]		*	30-150		S-01			8/4/18 13:37	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/4/18 13:37	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/4/18 13:37	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-3.5 (0.5-1.5)

Sampled: 7/27/2018 11:06

Sample ID: 18G1205-10

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	83	0.55	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 19:06	MJH



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-3.5 (0.5-1.5)

Sampled: 7/27/2018 11:06

Sample ID: 18G1205-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.1		% Wt	1		SM 2540G	8/2/18	8/2/18 11:36	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-3.5 (1.5-2.5)

Sampled: 7/27/2018 11:07

Sample ID: 18G1205-11

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/1/18	8/4/18 14:42	KAL
Aroclor-1221 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/1/18	8/4/18 14:42	KAL
Aroclor-1232 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/1/18	8/4/18 14:42	KAL
Aroclor-1242 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/1/18	8/4/18 14:42	KAL
Aroclor-1248 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/1/18	8/4/18 14:42	KAL
Aroclor-1254 [2]	13	2.1	mg/Kg dry	100		SW-846 8082A	8/1/18	8/4/18 14:42	KAL
Aroclor-1260 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/1/18	8/4/18 14:42	KAL
Aroclor-1262 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/1/18	8/4/18 14:42	KAL
Aroclor-1268 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/1/18	8/4/18 14:42	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/4/18 14:42	
Decachlorobiphenyl [2]		*	30-150		S-01			8/4/18 14:42	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/4/18 14:42	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/4/18 14:42	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-3.5 (1.5-2.5)

Sampled: 7/27/2018 11:07

Sample ID: 18G1205-11

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	58	0.53	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 19:11	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-3.5 (1.5-2.5)

Sampled: 7/27/2018 11:07

Sample ID: 18G1205-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.4		% Wt	1		SM 2540G	8/2/18	8/2/18 11:36	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-3.5 (2.5-3.5)

Sampled: 7/27/2018 11:08

Sample ID: 18G1205-12

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1700	mg/Kg dry	80000		SW-846 8082A	8/1/18	8/4/18 15:00	KAL
Aroclor-1221 [1]	ND	1700	mg/Kg dry	80000		SW-846 8082A	8/1/18	8/4/18 15:00	KAL
Aroclor-1232 [1]	ND	1700	mg/Kg dry	80000		SW-846 8082A	8/1/18	8/4/18 15:00	KAL
Aroclor-1242 [1]	ND	1700	mg/Kg dry	80000		SW-846 8082A	8/1/18	8/4/18 15:00	KAL
Aroclor-1248 [1]	ND	1700	mg/Kg dry	80000		SW-846 8082A	8/1/18	8/4/18 15:00	KAL
Aroclor-1254 [2]	12000	1700	mg/Kg dry	80000		SW-846 8082A	8/1/18	8/4/18 15:00	KAL
Aroclor-1260 [1]	ND	1700	mg/Kg dry	80000		SW-846 8082A	8/1/18	8/4/18 15:00	KAL
Aroclor-1262 [1]	ND	1700	mg/Kg dry	80000		SW-846 8082A	8/1/18	8/4/18 15:00	KAL
Aroclor-1268 [1]	ND	1700	mg/Kg dry	80000		SW-846 8082A	8/1/18	8/4/18 15:00	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/4/18 15:00	
Decachlorobiphenyl [2]		*	30-150		S-01			8/4/18 15:00	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/4/18 15:00	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/4/18 15:00	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-3.5 (2.5-3.5)

Sampled: 7/27/2018 11:08

Sample ID: 18G1205-12

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	310	0.54	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 19:17	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-3.5 (2.5-3.5)

Sampled: 7/27/2018 11:08

Sample ID: 18G1205-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.6		% Wt	1		SM 2540G	8/2/18	8/2/18 11:36	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-3 (0-0.5)

Sampled: 7/27/2018 11:15

Sample ID: 18G1205-13

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	8/1/18	8/4/18 15:17	KAL
Aroclor-1221 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	8/1/18	8/4/18 15:17	KAL
Aroclor-1232 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	8/1/18	8/4/18 15:17	KAL
Aroclor-1242 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	8/1/18	8/4/18 15:17	KAL
Aroclor-1248 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	8/1/18	8/4/18 15:17	KAL
Aroclor-1254 [2]	16	2.4	mg/Kg dry	100		SW-846 8082A	8/1/18	8/4/18 15:17	KAL
Aroclor-1260 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	8/1/18	8/4/18 15:17	KAL
Aroclor-1262 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	8/1/18	8/4/18 15:17	KAL
Aroclor-1268 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	8/1/18	8/4/18 15:17	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/4/18 15:17	
Decachlorobiphenyl [2]		*	30-150		S-01			8/4/18 15:17	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/4/18 15:17	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/4/18 15:17	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-3 (0-0.5)

Sampled: 7/27/2018 11:15

Sample ID: 18G1205-13

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	230	0.59	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 19:34	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-3 (0-0.5)

Sampled: 7/27/2018 11:15

Sample ID: 18G1205-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.7		% Wt	1		SM 2540G	8/2/18	8/2/18 11:36	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-3 (0.5-1.5)

Sampled: 7/27/2018 11:16

Sample ID: 18G1205-14

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	8/1/18	8/4/18 15:35	KAL
Aroclor-1221 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	8/1/18	8/4/18 15:35	KAL
Aroclor-1232 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	8/1/18	8/4/18 15:35	KAL
Aroclor-1242 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	8/1/18	8/4/18 15:35	KAL
Aroclor-1248 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	8/1/18	8/4/18 15:35	KAL
Aroclor-1254 [2]	37	4.6	mg/Kg dry	200		SW-846 8082A	8/1/18	8/4/18 15:35	KAL
Aroclor-1260 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	8/1/18	8/4/18 15:35	KAL
Aroclor-1262 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	8/1/18	8/4/18 15:35	KAL
Aroclor-1268 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	8/1/18	8/4/18 15:35	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/4/18 15:35	
Decachlorobiphenyl [2]		*	30-150		S-01			8/4/18 15:35	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/4/18 15:35	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/4/18 15:35	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-3 (0.5-1.5)

Sampled: 7/27/2018 11:16

Sample ID: 18G1205-14

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	270	0.58	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 19:41	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-3 (0.5-1.5)

Sampled: 7/27/2018 11:16

Sample ID: 18G1205-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.4		% Wt	1		SM 2540G	8/2/18	8/2/18 11:37	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-3 (1.5-2.5)

Sampled: 7/27/2018 11:17

Sample ID: 18G1205-15

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	8.8	mg/Kg dry	400		SW-846 8082A	8/1/18	8/4/18 15:52	KAL
Aroclor-1221 [1]	ND	8.8	mg/Kg dry	400		SW-846 8082A	8/1/18	8/4/18 15:52	KAL
Aroclor-1232 [1]	ND	8.8	mg/Kg dry	400		SW-846 8082A	8/1/18	8/4/18 15:52	KAL
Aroclor-1242 [1]	ND	8.8	mg/Kg dry	400		SW-846 8082A	8/1/18	8/4/18 15:52	KAL
Aroclor-1248 [1]	ND	8.8	mg/Kg dry	400		SW-846 8082A	8/1/18	8/4/18 15:52	KAL
Aroclor-1254 [2]	67	8.8	mg/Kg dry	400		SW-846 8082A	8/1/18	8/4/18 15:52	KAL
Aroclor-1260 [1]	ND	8.8	mg/Kg dry	400		SW-846 8082A	8/1/18	8/4/18 15:52	KAL
Aroclor-1262 [1]	ND	8.8	mg/Kg dry	400		SW-846 8082A	8/1/18	8/4/18 15:52	KAL
Aroclor-1268 [1]	ND	8.8	mg/Kg dry	400		SW-846 8082A	8/1/18	8/4/18 15:52	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/4/18 15:52	
Decachlorobiphenyl [2]		*	30-150		S-01			8/4/18 15:52	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/4/18 15:52	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/4/18 15:52	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-3 (1.5-2.5)

Sampled: 7/27/2018 11:17

Sample ID: 18G1205-15

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	140	0.55	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 19:47	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-3 (1.5-2.5)

Sampled: 7/27/2018 11:17

Sample ID: 18G1205-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.6		% Wt	1		SM 2540G	8/2/18	8/2/18 11:37	MJR



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-3 (2.5-3.5)

Sampled: 7/27/2018 11:18

Sample ID: 18G1205-16

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 16:10	KAL
Aroclor-1221 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 16:10	KAL
Aroclor-1232 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 16:10	KAL
Aroclor-1242 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 16:10	KAL
Aroclor-1248 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 16:10	KAL
Aroclor-1254 [1]	11	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 16:10	KAL
Aroclor-1260 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 16:10	KAL
Aroclor-1262 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 16:10	KAL
Aroclor-1268 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 16:10	KAL
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	*	30-150			S-01			8/4/18 16:10	
Decachlorobiphenyl [2]	*	30-150			S-01			8/4/18 16:10	
Tetrachloro-m-xylene [1]	*	30-150			S-01			8/4/18 16:10	
Tetrachloro-m-xylene [2]	*	30-150			S-01			8/4/18 16:10	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-3 (2.5-3.5)

Sampled: 7/27/2018 11:18

Sample ID: 18G1205-16

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	400	0.56	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 19:53	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-3 (2.5-3.5)

Sampled: 7/27/2018 11:18

Sample ID: 18G1205-16

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.6		% Wt	1		SM 2540G	8/2/18	8/2/18 11:37	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-2 (0-0.5)

Sampled: 7/27/2018 11:30

Sample ID: 18G1205-17

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.0	mg/Kg dry	40		SW-846 8082A	8/1/18	8/4/18 16:27	KAL
Aroclor-1221 [1]	ND	1.0	mg/Kg dry	40		SW-846 8082A	8/1/18	8/4/18 16:27	KAL
Aroclor-1232 [1]	ND	1.0	mg/Kg dry	40		SW-846 8082A	8/1/18	8/4/18 16:27	KAL
Aroclor-1242 [1]	ND	1.0	mg/Kg dry	40		SW-846 8082A	8/1/18	8/4/18 16:27	KAL
Aroclor-1248 [1]	ND	1.0	mg/Kg dry	40		SW-846 8082A	8/1/18	8/4/18 16:27	KAL
Aroclor-1254 [2]	4.3	1.0	mg/Kg dry	40		SW-846 8082A	8/1/18	8/4/18 16:27	KAL
Aroclor-1260 [1]	ND	1.0	mg/Kg dry	40		SW-846 8082A	8/1/18	8/4/18 16:27	KAL
Aroclor-1262 [1]	ND	1.0	mg/Kg dry	40		SW-846 8082A	8/1/18	8/4/18 16:27	KAL
Aroclor-1268 [1]	ND	1.0	mg/Kg dry	40		SW-846 8082A	8/1/18	8/4/18 16:27	KAL
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	*	30-150			S-01			8/4/18 16:27	
Decachlorobiphenyl [2]	*	30-150			S-01			8/4/18 16:27	
Tetrachloro-m-xylene [1]	*	30-150			S-01			8/4/18 16:27	
Tetrachloro-m-xylene [2]	*	30-150			S-01			8/4/18 16:27	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-2 (0-0.5)

Sampled: 7/27/2018 11:30

Sample ID: 18G1205-17

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	96	0.65	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 19:59	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-2 (0-0.5)

Sampled: 7/27/2018 11:30

Sample ID: 18G1205-17

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	76.9		% Wt	1		SM 2540G	8/2/18	8/2/18 11:37	MJR

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-2 (0.5-1.5)

Sampled: 7/27/2018 11:31

Sample ID: 18G1205-18

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.3	mg/Kg dry	400		SW-846 8082A	8/1/18	8/4/18 16:45	KAL
Aroclor-1221 [1]	ND	9.3	mg/Kg dry	400		SW-846 8082A	8/1/18	8/4/18 16:45	KAL
Aroclor-1232 [1]	ND	9.3	mg/Kg dry	400		SW-846 8082A	8/1/18	8/4/18 16:45	KAL
Aroclor-1242 [1]	ND	9.3	mg/Kg dry	400		SW-846 8082A	8/1/18	8/4/18 16:45	KAL
Aroclor-1248 [1]	ND	9.3	mg/Kg dry	400		SW-846 8082A	8/1/18	8/4/18 16:45	KAL
Aroclor-1254 [2]	64	9.3	mg/Kg dry	400		SW-846 8082A	8/1/18	8/4/18 16:45	KAL
Aroclor-1260 [1]	ND	9.3	mg/Kg dry	400		SW-846 8082A	8/1/18	8/4/18 16:45	KAL
Aroclor-1262 [1]	ND	9.3	mg/Kg dry	400		SW-846 8082A	8/1/18	8/4/18 16:45	KAL
Aroclor-1268 [1]	ND	9.3	mg/Kg dry	400		SW-846 8082A	8/1/18	8/4/18 16:45	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/4/18 16:45	
Decachlorobiphenyl [2]		*	30-150		S-01			8/4/18 16:45	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/4/18 16:45	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/4/18 16:45	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-2 (0.5-1.5)

Sampled: 7/27/2018 11:31

Sample ID: 18G1205-18

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	270	0.58	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 20:05	MJH



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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1205

Date Received: 7/27/2018

Field Sample #: B-C-2 (0.5-1.5)

Sampled: 7/27/2018 11:31

Sample ID: 18G1205-18

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.9		% Wt	1		SM 2540G	8/2/18	8/2/18 11:37	MJR

**Sample Extraction Data**

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18G1205-01 [B-C-4.5 (0-0.5)]	B209307	08/02/18
18G1205-02 [B-C-4.5 (0.5-1.5)]	B209307	08/02/18
18G1205-03 [B-C-4.5 (1.5-2.5)]	B209307	08/02/18
18G1205-04 [B-C-4.5 (2.5-3.5)]	B209307	08/02/18
18G1205-05 [B-C-4 (0-0.5)]	B209307	08/02/18
18G1205-06 [B-C-4 (0.5-1.5)]	B209307	08/02/18
18G1205-07 [B-C-4 (1.5-2.5)]	B209307	08/02/18
18G1205-08 [B-C-4 (2.5-3.5)]	B209307	08/02/18
18G1205-09 [B-C-3.5 (0-0.5)]	B209307	08/02/18
18G1205-10 [B-C-3.5 (0.5-1.5)]	B209307	08/02/18
18G1205-11 [B-C-3.5 (1.5-2.5)]	B209307	08/02/18
18G1205-12 [B-C-3.5 (2.5-3.5)]	B209307	08/02/18
18G1205-13 [B-C-3 (0-0.5)]	B209307	08/02/18
18G1205-14 [B-C-3 (0.5-1.5)]	B209307	08/02/18
18G1205-15 [B-C-3 (1.5-2.5)]	B209307	08/02/18
18G1205-16 [B-C-3 (2.5-3.5)]	B209307	08/02/18
18G1205-17 [B-C-2 (0-0.5)]	B209307	08/02/18
18G1205-18 [B-C-2 (0.5-1.5)]	B209307	08/02/18

**Prep Method: SW-846 3050B-SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1205-01 [B-C-4.5 (0-0.5)]	B209288	1.50	50.0	08/01/18
18G1205-02 [B-C-4.5 (0.5-1.5)]	B209288	1.50	50.0	08/01/18
18G1205-03 [B-C-4.5 (1.5-2.5)]	B209288	1.51	50.0	08/01/18
18G1205-04 [B-C-4.5 (2.5-3.5)]	B209288	1.50	50.0	08/01/18
18G1205-05 [B-C-4 (0-0.5)]	B209288	1.51	50.0	08/01/18
18G1205-06 [B-C-4 (0.5-1.5)]	B209288	1.50	50.0	08/01/18
18G1205-07 [B-C-4 (1.5-2.5)]	B209288	1.50	50.0	08/01/18
18G1205-08 [B-C-4 (2.5-3.5)]	B209288	1.51	50.0	08/01/18
18G1205-09 [B-C-3.5 (0-0.5)]	B209288	1.51	50.0	08/01/18
18G1205-10 [B-C-3.5 (0.5-1.5)]	B209288	1.50	50.0	08/01/18
18G1205-11 [B-C-3.5 (1.5-2.5)]	B209288	1.50	50.0	08/01/18
18G1205-12 [B-C-3.5 (2.5-3.5)]	B209288	1.50	50.0	08/01/18
18G1205-13 [B-C-3 (0-0.5)]	B209288	1.50	50.0	08/01/18
18G1205-14 [B-C-3 (0.5-1.5)]	B209288	1.50	50.0	08/01/18
18G1205-15 [B-C-3 (1.5-2.5)]	B209288	1.50	50.0	08/01/18
18G1205-16 [B-C-3 (2.5-3.5)]	B209288	1.50	50.0	08/01/18
18G1205-17 [B-C-2 (0-0.5)]	B209288	1.51	50.0	08/01/18
18G1205-18 [B-C-2 (0.5-1.5)]	B209288	1.50	50.0	08/01/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1205-01 [B-C-4.5 (0-0.5)]	B209284	10.0	10.0	08/01/18
18G1205-02 [B-C-4.5 (0.5-1.5)]	B209284	10.0	10.0	08/01/18
18G1205-03 [B-C-4.5 (1.5-2.5)]	B209284	10.0	10.0	08/01/18
18G1205-04 [B-C-4.5 (2.5-3.5)]	B209284	10.0	10.0	08/01/18
18G1205-05 [B-C-4 (0-0.5)]	B209284	10.0	10.0	08/01/18
18G1205-06 [B-C-4 (0.5-1.5)]	B209284	10.0	10.0	08/01/18
18G1205-07 [B-C-4 (1.5-2.5)]	B209284	10.0	10.0	08/01/18
18G1205-08 [B-C-4 (2.5-3.5)]	B209284	10.0	10.0	08/01/18
18G1205-09 [B-C-3.5 (0-0.5)]	B209284	10.0	10.0	08/01/18

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**Sample Extraction Data****Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1205-10 [B-C-3.5 (0.5-1.5)]	B209284	10.0	10.0	08/01/18
18G1205-11 [B-C-3.5 (1.5-2.5)]	B209284	10.0	10.0	08/01/18
18G1205-12 [B-C-3.5 (2.5-3.5)]	B209284	10.0	10.0	08/01/18
18G1205-13 [B-C-3 (0-0.5)]	B209284	10.0	10.0	08/01/18
18G1205-14 [B-C-3 (0.5-1.5)]	B209284	10.0	10.0	08/01/18
18G1205-15 [B-C-3 (1.5-2.5)]	B209284	10.0	10.0	08/01/18
18G1205-16 [B-C-3 (2.5-3.5)]	B209284	10.0	10.0	08/01/18
18G1205-17 [B-C-2 (0-0.5)]	B209284	10.0	10.0	08/01/18
18G1205-18 [B-C-2 (0.5-1.5)]	B209284	10.0	10.0	08/01/18

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209284 - SW-846 3540C</b>										
<b>Blank (B209284-BLK1)</b>										
Prepared: 08/01/18 Analyzed: 08/03/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.222		mg/Kg wet	0.200		111	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.235		mg/Kg wet	0.200		118	30-150			
Surrogate: Tetrachloro-m-xylene	0.194		mg/Kg wet	0.200		96.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.197		mg/Kg wet	0.200		98.6	30-150			
<b>LCS (B209284-BS1)</b>										
Prepared: 08/01/18 Analyzed: 08/03/18										
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		88.3	40-140			
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		92.2	40-140			
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		91.8	40-140			
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		96.0	40-140			
Surrogate: Decachlorobiphenyl	0.203		mg/Kg wet	0.200		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.216		mg/Kg wet	0.200		108	30-150			
Surrogate: Tetrachloro-m-xylene	0.172		mg/Kg wet	0.200		85.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.175		mg/Kg wet	0.200		87.4	30-150			
<b>LCS Dup (B209284-BSD1)</b>										
Prepared: 08/01/18 Analyzed: 08/03/18										
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		90.0	40-140	1.92	30	
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		99.8	40-140	7.86	30	
Aroclor-1260	0.19	0.020	mg/Kg wet	0.200		95.3	40-140	3.76	30	
Aroclor-1260 [2C]	0.20	0.020	mg/Kg wet	0.200		101	40-140	4.80	30	
Surrogate: Decachlorobiphenyl	0.209		mg/Kg wet	0.200		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.222		mg/Kg wet	0.200		111	30-150			
Surrogate: Tetrachloro-m-xylene	0.174		mg/Kg wet	0.200		87.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.178		mg/Kg wet	0.200		89.2	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209284 - SW-846 3540C</b>										
<b>Matrix Spike (B209284-MS1)</b>	<b>Source: 18G1205-01</b>			Prepared: 08/01/18 Analyzed: 08/03/18						
Aroclor-1016	0.27	0.098	mg/Kg dry	0.246	ND	111	40-140			
<b>Aroclor-1016 [2C]</b>	1.0	0.098	mg/Kg dry	0.246	ND	<b>423</b> *	40-140			MS-21
<b>Aroclor-1260</b>	1.5	0.098	mg/Kg dry	0.246	ND	<b>601</b> *	40-140			MS-21
<b>Aroclor-1260 [2C]</b>	2.2	0.098	mg/Kg dry	0.246	ND	<b>879</b> *	40-140			MS-21
Surrogate: Decachlorobiphenyl	0.262		mg/Kg dry	0.246		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.277		mg/Kg dry	0.246		113	30-150			
Surrogate: Tetrachloro-m-xylene	0.251		mg/Kg dry	0.246		102	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.259		mg/Kg dry	0.246		106	30-150			
<b>Matrix Spike Dup (B209284-MSD1)</b>	<b>Source: 18G1205-01</b>			Prepared: 08/01/18 Analyzed: 08/03/18						
Aroclor-1016	0.25	0.098	mg/Kg dry	0.246	ND	103	40-140		50	
<b>Aroclor-1016 [2C]</b>	0.90	0.098	mg/Kg dry	0.246	ND	<b>366</b> *	40-140	14.5	50	MS-21
<b>Aroclor-1260</b>	1.2	0.098	mg/Kg dry	0.246	ND	<b>507</b> *	40-140	16.9	50	MS-21
<b>Aroclor-1260 [2C]</b>	1.8	0.098	mg/Kg dry	0.246	ND	<b>741</b> *	40-140	17.0	50	MS-21
Surrogate: Decachlorobiphenyl	0.244		mg/Kg dry	0.246		99.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.256		mg/Kg dry	0.246		104	30-150			
Surrogate: Tetrachloro-m-xylene	0.231		mg/Kg dry	0.246		94.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.242		mg/Kg dry	0.246		98.5	30-150			

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**QUALITY CONTROL**

**Metals Analyses (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209288 - SW-846 3050B</b>										
<b>Blank (B209288-BLK1)</b>					Prepared: 08/01/18 Analyzed: 08/02/18					
Lead	ND	0.50	mg/Kg wet							
<b>LCS (B209288-BS1)</b>					Prepared: 08/01/18 Analyzed: 08/02/18					
Lead	116	1.5	mg/Kg wet	111		105	83-117.1			
<b>LCS Dup (B209288-BSD1)</b>					Prepared: 08/01/18 Analyzed: 08/02/18					
Lead	123	1.5	mg/Kg wet	111		111	83-117.1	6.20	30	
<b>Duplicate (B209288-DUP1)</b>					<b>Source: 18G1205-01</b> Prepared: 08/01/18 Analyzed: 08/02/18					
Lead	131	0.61	mg/Kg dry		248			<b>62.1</b>	*	35 R-02
<b>MRL Check (B209288-MRL1)</b>					Prepared: 08/01/18 Analyzed: 08/02/18					
Lead	0.454	0.48	mg/Kg wet	0.482		94.2	80-120			
<b>Matrix Spike (B209288-MS1)</b>					<b>Source: 18G1205-01</b> Prepared: 08/01/18 Analyzed: 08/02/18					
Lead	154	0.61	mg/Kg dry	20.4	248	<b>-465</b>	*	75-125		MS-19

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-4.5 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1205-01 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	6.7	
	2	0.000	-0.030	0.030	6.9	2.9

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-4.5 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1205-02 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.30	
	2	0.000	-0.030	0.030	0.31	3.3



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-4.5 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1205-03 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1200	
	2	0.000	-0.030	0.030	1200	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-4.5 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1205-04 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1700	
	2	0.000	-0.030	0.030	1800	5.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-4 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1205-05 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.14	
	2	0.000	-0.030	0.030	0.12	15.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-4 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1205-06 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	3.0	
	2	0.000	-0.030	0.030	3.1	3.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-4 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1205-07 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.58	
	2	0.000	-0.030	0.030	0.50	14.8

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-4 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1205-08 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1100	
	2	0.000	-0.030	0.030	1200	8.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-3.5 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1205-09 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.55	
	2	0.000	-0.030	0.030	0.55	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-3.5 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1205-10 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	10	
	2	0.000	-0.030	0.030	10	0.0



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-3.5 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1205-11 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	13	
	2	0.000	-0.030	0.030	13	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-3.5 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1205-12 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	11000	
	2	0.000	-0.030	0.030	12000	8.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-3 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1205-13 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	16	
	2	0.000	-0.030	0.030	16	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-3 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1205-14 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	36	
	2	0.000	-0.030	0.030	37	2.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-C-3 (1.5-2.5)**

Lab Sample ID: 18G1205-15 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	65	
	2	0.000	-0.030	0.030	67	3.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-C-3 (2.5-3.5)**

Lab Sample ID: 18G1205-16 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	11	
	2	0.000	-0.030	0.030	11	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-2 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1205-17 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	4.1	
	2	0.000	-0.030	0.030	4.3	4.8

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-2 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1205-18 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	62	
	2	0.000	-0.030	0.030	64	3.2



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS
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*SW-846 8082A*

Lab Sample ID:                     B209284-BS1                                          Date(s) Analyzed:           08/03/2018                     08/03/2018          

Instrument ID (1):                     ECD 9                                          Instrument ID (2):                     ECD 9                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.18	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.19	5.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

*SW-846 8082A*

Lab Sample ID:                     B209284-BSD1                                          Date(s) Analyzed:           08/03/2018                     08/03/2018          

Instrument ID (1):                     ECD 9                                          Instrument ID (2):                     ECD 9                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.20	10.5
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.20	5.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike**

*SW-846 8082A*

Lab Sample ID:                   B209284-MS1                                        Date(s) Analyzed:           08/03/2018                     08/03/2018          

Instrument ID (1):                   ECD 9                                        Instrument ID (2):                   ECD 9                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.27	
	2	0.000	-0.030	0.030	1.0	115.0
Aroclor-1260	1	0.000	-0.030	0.030	1.5	
	2	0.000	-0.030	0.030	2.2	37.8

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike Dup**

*SW-846 8082A*

Lab Sample ID:                   B209284-MSD1                                        Date(s) Analyzed:           08/03/2018                     08/03/2018          

Instrument ID (1):                   ECD 9                                        Instrument ID (2):                   ECD 9                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.25	
	2	0.000	-0.030	0.030	0.90	113.0
Aroclor-1260	1	0.000	-0.030	0.030	1.2	
	2	0.000	-0.030	0.030	1.8	32.3

**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.
MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
R-02	Duplicate RPD is outside of control limits. Outlier can be attributed to sample non-homogeneity encountered during sample prep.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<b>SW-846 6010D in Soil</b>	
Lead	CT,NH,NY,AIHA,ME,VA,NC
<b>SW-846 8082A in Soil</b>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

1861205

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Requested Turnaround Time:  7-Day  10-Day

Due Date: \_\_\_\_\_

Fast-Approval Required:  1-Day  3-Day   2-Day  4-Day

Date Delivery: \_\_\_\_\_

Format:  PDF  EXCEL

Other: \_\_\_\_\_

CUP Like Data Pkg Required:

Email To: \_\_\_\_\_

Fax To #: \_\_\_\_\_

Client Sample ID / Description	Requesting Date/Time	Expiry Date/Time	Analysis Requested	Matrix Codes	Preservation Codes	Container Codes
B-C-5 (7.5-9.5)	7/27	10:20	✓	GW = Ground Water	1 = Iced	A = Amber Glass
B-C-5 (9.5-11.5)		10:21	✓	IWW = Waste Water	H = HCL	G = Glass
B-C-5 (11.5-13.5)		10:22	✓	DW = Drinking Water	M = Methanol	P = Plastic
B-C-4.5 (0-0.5)		10:30	✓	A = Air	N = Nitric Acid	ST = Sterile
B-C-4.5 (0.5-1.5)		10:31	✓	S = Soil	S = Sulfuric Acid	V = Vial
B-C-4.5 (1.5-2.5)		10:32	✓	SL = Sludge	B = Sodium Bisulfate	S = Summa Canister
B-C-4.5 (2.5-3.5)		10:33	✓	SOL = Solid	X = Sodium Hydroxide	T = Tedlar Bag
B-C-4.5 (3.5-5.5)		10:34	✓	O = Other (please define)	T = Sodium Thiosulfate	O = Other (please define)
B-C-4.5 (5.5-7.5)		10:35	✓			
B-C-4.5 (7.5-9.5)		10:36	✓			

Comments: *Samples w/ no chemical analyses to be held*

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (Signature) \_\_\_\_\_ Date/Time: 7/27

Received by: (Signature) \_\_\_\_\_ Date/Time: 7/27/18

Relinquished by: (Signature) \_\_\_\_\_ Date/Time: 7/27/18

Received by: (Signature) \_\_\_\_\_ Date/Time: 8.4.18

Relinquished by: (Signature) \_\_\_\_\_ Date/Time: 7/18/18

Received by: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Special Requirements:  MA MCP Required  MA MCP Form Required  CT RCP Required  RCP Certification Form Required  MA State DW Required

PMSID #: \_\_\_\_\_

Project Entity:  Government  Municipality  MMRA  WRTA  Federal  21 J  School  City  Brownfield  MBTA

Other:  Chromatogram  AIHA-LAP, LLC

PCB ONLY:  Soxhlet  Non Soxhlet





Requested Turnaround Time 7-Day <input type="checkbox"/> 10-Day <input type="checkbox"/> Due Date:		Rush Approval Required 1-Day <input type="checkbox"/> 3-Day <input type="checkbox"/> 2-Day <input type="checkbox"/> 4-Day <input type="checkbox"/> Data Delivery Format: PDF <input type="checkbox"/> EXCEL <input type="checkbox"/> Other:		CLP Like Data Pkg Required: <input type="checkbox"/> Email To: Fax To #:		# of Containers Preservation Code Container Code	
Project Name: <u>CONWAY PARK</u>		Project Location:		Project Number:		Project Manager:	
Con-Test Quote Name/Number:		Invoice Recipient:		Sampled By:		Matrix Codes: GW = Ground Water WW = Waste Water DW = Drinking Water A = Air S = Soil SL = Sludge SOL = Solid O = Other (please define)	
Con-Test Work Order #		Sample Date/Time		Sample Time		Preservation Codes: I = Iced H = HCL M = Methanol N = Nitric Acid S = Sulfuric Acid B = Sodium Bisulfate X = Sodium Hydroxide T = Sodium Thiosulfate O = Other (please define)	
Con-Test Sample ID / Description		Employee Date/Time		Analysis Requested		Container Codes: A = Amber Glass G = Glass P = Plastic ST = Sterile V = Vial S = Summa Canister T = Tedlar Bag O = Other (please define)	
B-C-4-S (9.5-11.5)		7/27		10:37		PCB ONLY <input checked="" type="checkbox"/> Soxhlet <input type="checkbox"/> Non Soxhlet	
B-C-4-S (11.5-13.5)		7/27		10:38		PCB ONLY	
B-C-4 (0-0.5)		7/27		10:30		PCB ONLY	
B-C-4 (0.5-1.5)		7/27		10:51		PCB ONLY	
B-C-4 (1.5-2.5)		7/27		10:52		PCB ONLY	
B-C-4 (2.5-3.5)		7/27		10:53		PCB ONLY	
B-C-4 (3.5-5.5)		7/27		10:54		PCB ONLY	
B-C-4 (5.5-7.5)		7/27		10:55		PCB ONLY	
B-C-4 (7.5-9.5)		7/27		10:56		PCB ONLY	
B-C-4 (9.5-11.5)		7/27		10:57		PCB ONLY	
Comments: <u>Samples w/ NO analyses checked to be held</u>							
Relinquished by: (signature)		Date/Time: 7/27		Detection Limit Requirements		Special Requirements	
Received by: (signature)		Date/Time: 7/27/18 15:45		MA MCP Required		MA MCP Required	
Relinquished by: (signature)		Date/Time: 7/27/18 19:45		MCP Certification Form Required		MCP Certification Form Required	
Received by: (signature)		Date/Time: 7/27/18 19:45		CT RCP Required		CT RCP Required	
Relinquished by: (signature)		Date/Time: 7/27/18 19:45		RCP Certification Form Required		RCP Certification Form Required	
Received by: (signature)		Date/Time: 7/27/18 19:45		MA State RW Required		MA State RW Required	
Relinquished by: (signature)		Date/Time:		PWSID #		Other	
Received by: (signature)		Date/Time:		Government <input type="checkbox"/> Federal <input type="checkbox"/> City <input type="checkbox"/>		Municipality <input type="checkbox"/> 21 J <input type="checkbox"/> Brownfield <input type="checkbox"/>	
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Received by: (signature)		Date/Time:		Government <input type="checkbox"/> Federal <input type="checkbox"/> City <input type="checkbox"/>		Municipality <input type="checkbox"/> 21 J <input type="checkbox"/> Brownfield <input type="checkbox"/>	
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Received by: (signature)							







**Requested Turnaround Time**  
 7-Day  10-Day

**Due Date:**

**Rush Approval Required**  
 1-Day  3-Day   
 2-Day  4-Day

**Date Delivered:**

**Format:** PDF  EXCEL

**Other:**

**CLP Like Data Pkg Required:**

**Email To:**

**Fax To #:**

Con-Test Work Order #	Client Sample ID / Description	Received Date/Time	Analysis Date/Time	Analysis	Matrix Code	Preservation Code	Container Code
13	BC-3 (0-0.5)	7/27	11:15	✓	S	U	
14	BC-3 (0.5-1.5)		11:16	✓	S	U	
15	BC-3 (1.5-2.5)		11:17	✓	S	U	
16	BC-3 (2.5-3.5)		11:18	✓	S	U	
	BC-3 (3.5-5.5)		11:19	✓	S	U	
	BC-3 (5.5-7.5)		11:20	✓	S	U	
	BC-3 (7.5-9.5)		11:21	✓	S	U	
	BC-3 (9.5-11.5)		11:22	✓	S	U	
17	BC-2 (0-0.5)		11:30	✓	S	U	
18	BC-2 (0.5-1.5)		11:31	✓	S	U	

**Comments:** Tomlin w/ A checked analyser checked to school

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

**Relinquished by: (signature)** *[Signature]* Date/Time: 7/27

**Received by: (signature)** *[Signature]* Date/Time: 7/27/18 5:45

**Relinquished by: (signature)** *[Signature]* Date/Time: 7/27/18 9:45

**Received by: (signature)** *[Signature]* Date/Time: 7/27/18 4:03

**Relinquished by: (signature)** *[Signature]* Date/Time: 7/27/18 19:44

**Received by: (signature)** *[Signature]* Date/Time: \_\_\_\_\_

**Project Entity:**  
 Government  Municipality  MWRA  WRTA  Other  
 Federal  21 J  School  AIHA-LAP, LLC  
 City  Brownfield  MBTA

**Special Requirements:**  
 MA MCP Required  MA MCP Form Required   
 MCP Certification Form Required  CT RCP Required   
 RCP Certification Form Required  MA State DW Required   
 PWSID # \_\_\_\_\_

**con-test ANALYTICAL LABORATORY**  
 www.con-test-labs.com

**PCB ONLY**  
 Soxhlet   
 Non Soxhlet



**con-test**  
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False**

Client Weston + Sampson

Received By RAP Date 7/27/18 Time 1945

How were the samples received? In Cooler T No Cooler \_\_\_\_\_ On Ice + No Ice \_\_\_\_\_  
 Direct from Sampling \_\_\_\_\_ Ambient \_\_\_\_\_ Melted Ice \_\_\_\_\_

Were samples within Temperature? 2-6°C T By Gun # 8 Actual Temp - 28/4.6/3.3  
 By Blank # \_\_\_\_\_ Actual Temp - \_\_\_\_\_

Was Custody Seal Intact? NA Were Samples Tampered with? NA  
 Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T  
 Did COC include all pertinent information? Client T Analysis T Sampler Name T  
 Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? \_\_\_\_\_  
 Are there Rushes? F Who was notified? \_\_\_\_\_  
 Are there Short Holds? F Who was notified? \_\_\_\_\_

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F  
 Proper Media/Containers Used? T Is splitting samples required? F  
 Were trip blanks received? F On COC? F

Do all samples have the proper pH? NA Acid \_\_\_\_\_ Base \_\_\_\_\_

Vials	#	Containers	#	#
Unp-		1 Liter Amb.	1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.	500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.	250 mL Plastic	4oz Amb/Clear <u>18</u>
Bisulfate-		Col./Bacteria	Flashpoint	2oz Amb/Clear
DI-		Other Plastic	Other Glass	Encore
Thiosulfate-		SOC Kit	Plastic Bag	Frozen:
Sulfuric-		Perchlorate	Ziplock	

**Unused Media**

Vials	#	Containers	#	#
Unp-		1 Liter Amb.	1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.	500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.	250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria	Flashpoint	2oz Amb/Clear
DI-		Other Plastic	Other Glass	Encore
Thiosulfate-		SOC Kit	Plastic Bag	Frozen:
Sulfuric-		Perchlorate	Ziplock	

**Comments:**

Samples received in 3 coolers.

X:\HPCHEM\1\DATA\A073018\A0730020.D

**CT ETPH DISCRIMINATION CHECK**

Data File Name A0730020.D  
 Data File Path X:\HPCHEM\1\DATA\A073018\  
 Date Acquired 7/30/2018 11:33  
 Operator RMW  
 Acq. Method File ETPH18.M  
 Sample Name ETPH 1500  
 Instrument Name 5890DFID

Name	Ret Time	Target Response	Avg Response	">%D+/-20
c - 9	0.98	383519	405727	5
c - 10	1.32	390103	405727	4
c - 12	2.04	399220	405727	2
c - 14	2.71	409359	405727	-1
c - 16	3.31	413392	405727	-2
c - 18	3.87	410304	405727	-1
c - 20	4.48	409031	405727	-1
c - 22	5.01	408005	405727	-1
c - 24	5.46	404666	405727	0
c - 26	5.86	404567	405727	0
c - 28	6.22	408622	405727	-1
c - 30	6.56	415680	405727	-2
c - 32	6.87	407320	405727	0
c - 34	7.16	408144	405727	-1
c - 36	7.44	413968	405727	-2

**Samples**

18G1202-05  
 18G1103-03  
 18G1202-04  
 18G1039-03@20X  
 18G1101-01@20X  
 18G1202-02@20X  
 18G1157-03@10X  
 18G1157-04@10X  
 18G1202-03@100X

\*One compound allowed %D &lt;=50%

X:\HPCHEM\1\DATA\A073118\A0731006.D

**CT ETPH DISCRIMINATION CHECK**

Data File Name A0731006.D  
 Data File Path X:\HPCHEM\1\DATA\A073118\  
 Date Acquired 7/31/2018 10:04  
 Operator RMW  
 Acq. Method File ETPH18.M  
 Sample Name ETPH 1500  
 Instrument Name 5890DFID

Name	Ret Time	Target Response	Avg Response	*/%D+/-20
c - 9	0.98	375741	399413	6
c - 10	1.32	382508	399413	4
c - 12	2.04	391884	399413	2
c - 14	2.71	400913	399413	0
c - 16	3.31	404542	399413	-1
c - 18	3.87	400856	399413	0
c - 20	4.49	400255	399413	0
c - 22	5.02	401111	399413	0
c - 24	5.47	400122	399413	0
c - 26	5.86	401453	399413	-1
c - 28	6.23	405538	399413	-2
c - 30	6.56	411623	399413	-3
c - 32	6.87	402458	399413	-1
c - 34	7.16	402918	399413	-1
c - 36	7.44	409279	399413	-2

**Samples**

18G0785-01  
 18G0785-02  
 18G0785-03  
 18G0785-04  
 18G1039-07  
 18G1039-04@100X  
 18G1039-02@100X

\*One compound allowed %D &lt;=50%

X:\HPCHEM\1\DATA\A073118.SEC\A0731007.D

**CT ETPH DISCRIMINATION CHECK**

Data File Name A0731007.D  
 Data File Path X:\HPCHEM\1\DATA\A073118.SEC\  
 Operator RMW  
 Date Acquired 7/31/2018 10:22  
 Acq. Method File ETPH18.M  
 Sample Name ETPH 1500  
 Instrument Name 5890DFID

Name	Ret Time	Target Response	Avg response	***D+/-20
c - 9	1.19	306256	330190	7
c - 10	1.55	313778	330190	5
c - 12	2.28	323518	330190	2
c - 14	2.95	334750	330190	-1
c - 16	3.55	340438	330190	-3
c - 18	4.14	339462	330190	-3
c - 20	4.75	339610	330190	-3
c - 22	5.26	338475	330190	-3
c - 24	5.70	333686	330190	-1
c - 26	6.09	330452	330190	0
c - 28	6.45	330927	330190	0
c - 30	6.78	335166	330190	-2
c - 32	7.09	327831	330190	1
c - 34	7.38	328056	330190	1
c - 36	7.67	330454	330190	0

**Samples**

18G0946-02@100X  
 18G1039-01@100X

\*One compound allowed %D &lt;=50%

## MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Con-Test Analytical Laboratory	Project #: 18G1205
Project Location: Conway Park., Somerville, MA	RTN:

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]  
18G1205-01 thru 18G1205-18

Matrices: Soil

**CAM Protocol (check all that below)**

8260 VOC CAM II A ( )	7470/7471 Hg CAM III B ( )	MassDEP VPH CAM IV A ( )	8082 PCB CAM V A (X)	9014 Total Cyanide/PAC CAM VI A ( )	6860 Perchlorate CAM VIII B ( )
8270 SVOC CAM II B ( )	7010 Metals CAM III C ( )	MassDEP VPH CAM IV C ( )	8081 Pesticides CAM V B ( )	7196 Hex Cr CAM VI B ( )	MassDEP APH CAM IX A ( )
6010 Metals CAM III A ( )	6020 Metals CAM III D ( )	MassDEP EPH CAM IV A ( )	8151 Herbicides CAM V C ( )	8330 Explosives CAM VIII A ( )	TO-15 VOC CAM IX B ( )

**Affirmative response to Questions A through F is required for "Presumptive Certainty" status**

<b>A</b>	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>B</b>	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>C</b>	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>D</b>	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>E a</b>	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	<input type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>E b</b>	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	<input type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>F</b>	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all No responses to Questions A through E)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>

**A response to questions G, H and I below is required for "Presumptive Certainty" status**

<b>G</b>	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>
----------	---	--

**Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.**

<b>H</b>	Were all QC performance standards specified in the CAM protocol(s) achieved?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>
<b>I</b>	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>

<sup>1</sup>All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

**I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.**

Signature: Lisa Worthington Position: Project Manager  
Printed Name: Lisa A. Worthington Date: 08/06/18

August 6, 2018

Taylor Smith  
Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960

Project Location: Conway Park., Somerville, MA  
Client Job Number:  
Project Number: [none]  
Laboratory Work Order Number: 18G1206

Enclosed are results of analyses for samples received by the laboratory on July 27, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Meghan E. Kelley". The signature is written in a cursive style with a large, sweeping 'y' at the end.

Meghan E. Kelley  
Project Manager



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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 8/6/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1206

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-C-2 (1.5-2.5)	18G1206-01	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-C-2 (2.5-3.5)	18G1206-02	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-D-2 (0-0.5)	18G1206-03	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-D-2 (0.5-1.5)	18G1206-04	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-D-2 (1.5-2.5)	18G1206-05	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-D-2 (2.5-3.5)	18G1206-06	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-D-3 (0-0.5)	18G1206-07	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-D-3 (0.5-1.5)	18G1206-08	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-D-3 (1.5-2.5)	18G1206-09	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-D-3 (2.5-3.5)	18G1206-10	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-D-4 (0-0.5)	18G1206-11	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-D-4 (0.5-1.5)	18G1206-12	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-D-4 (1.5-2.5)	18G1206-13	Soil		SM 2540G SW-846 6010D SW-846 8082A	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 8/6/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1206

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-D-4 (2.5-3.5)	18G1206-14	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-D-5 (0-0.5)	18G1206-15	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-D-5 (0.5-1.5)	18G1206-16	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-D-5 (1.5-2.5)	18G1206-17	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-D-5 (2.5-3.5)	18G1206-18	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-C.5-4 (0-0.5)	18G1206-19	Soil		SM 2540G SW-846 6010D SW-846 8082A	

**CASE NARRATIVE SUMMARY**

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 6010, only Pb was requested and reported.

**SW-846 6010D****Qualifications:****MS-19**

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

**Analyte & Samples(s) Qualified:****Lead**

18G1206-04[B-D-2 (0.5-1.5)], B209294-MS1

**SW-846 8082A****Qualifications:****MS-21**

Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.

**Analyte & Samples(s) Qualified:****Aroclor-1016**

B209282-MS1, B209282-MSD1

**Aroclor-1016 [2C]**

B209282-MS1, B209282-MSD1

**Aroclor-1260**

B209282-MS1, B209282-MSD1

**Aroclor-1260 [2C]**

B209282-MS1, B209282-MSD1

**S-01**

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**Analyte & Samples(s) Qualified:****Decachlorobiphenyl**

18G1206-04[B-D-2 (0.5-1.5)], 18G1206-06[B-D-2 (2.5-3.5)], 18G1206-08[B-D-3 (0.5-1.5)], 18G1206-09[B-D-3 (1.5-2.5)], 18G1206-10[B-D-3 (2.5-3.5)], 18G1206-13[B-D-4 (1.5-2.5)], 18G1206-14[B-D-4 (2.5-3.5)]

**Decachlorobiphenyl [2C]**

18G1206-04[B-D-2 (0.5-1.5)], 18G1206-06[B-D-2 (2.5-3.5)], 18G1206-08[B-D-3 (0.5-1.5)], 18G1206-09[B-D-3 (1.5-2.5)], 18G1206-10[B-D-3 (2.5-3.5)], 18G1206-13[B-D-4 (1.5-2.5)], 18G1206-14[B-D-4 (2.5-3.5)]

**Tetrachloro-m-xylene**

18G1206-04[B-D-2 (0.5-1.5)], 18G1206-06[B-D-2 (2.5-3.5)], 18G1206-08[B-D-3 (0.5-1.5)], 18G1206-09[B-D-3 (1.5-2.5)], 18G1206-10[B-D-3 (2.5-3.5)], 18G1206-13[B-D-4 (1.5-2.5)], 18G1206-14[B-D-4 (2.5-3.5)]

**Tetrachloro-m-xylene [2C]**

18G1206-04[B-D-2 (0.5-1.5)], 18G1206-06[B-D-2 (2.5-3.5)], 18G1206-08[B-D-3 (0.5-1.5)], 18G1206-09[B-D-3 (1.5-2.5)], 18G1206-10[B-D-3 (2.5-3.5)], 18G1206-13[B-D-4 (1.5-2.5)], 18G1206-14[B-D-4 (2.5-3.5)]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Lisa A. Worthington", is written over a light gray rectangular background.

Lisa A. Worthington  
Project Manager

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-C-2 (1.5-2.5)

Sampled: 7/27/2018 11:32

Sample ID: 18G1206-01

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 17:02	KAL
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 17:02	KAL
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 17:02	KAL
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 17:02	KAL
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 17:02	KAL
Aroclor-1254 [2]	1.0	0.088	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 17:02	KAL
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 17:02	KAL
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 17:02	KAL
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 17:02	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		108	30-150					8/3/18 17:02	
Decachlorobiphenyl [2]		110	30-150					8/3/18 17:02	
Tetrachloro-m-xylene [1]		91.9	30-150					8/3/18 17:02	
Tetrachloro-m-xylene [2]		96.1	30-150					8/3/18 17:02	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-C-2 (1.5-2.5)

Sampled: 7/27/2018 11:32

Sample ID: 18G1206-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	14	0.55	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 21:16	MJH



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-C-2 (1.5-2.5)

Sampled: 7/27/2018 11:32

Sample ID: 18G1206-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.1		% Wt	1		SM 2540G	8/2/18	8/2/18 11:37	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-C-2 (2.5-3.5)

Sampled: 7/27/2018 11:33

Sample ID: 18G1206-02

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.36	mg/Kg dry	16		SW-846 8082A	8/1/18	8/4/18 3:38	KAL
Aroclor-1221 [1]	ND	0.36	mg/Kg dry	16		SW-846 8082A	8/1/18	8/4/18 3:38	KAL
Aroclor-1232 [1]	ND	0.36	mg/Kg dry	16		SW-846 8082A	8/1/18	8/4/18 3:38	KAL
Aroclor-1242 [1]	ND	0.36	mg/Kg dry	16		SW-846 8082A	8/1/18	8/4/18 3:38	KAL
Aroclor-1248 [1]	ND	0.36	mg/Kg dry	16		SW-846 8082A	8/1/18	8/4/18 3:38	KAL
Aroclor-1254 [2]	2.2	0.36	mg/Kg dry	16		SW-846 8082A	8/1/18	8/4/18 3:38	KAL
Aroclor-1260 [1]	ND	0.36	mg/Kg dry	16		SW-846 8082A	8/1/18	8/4/18 3:38	KAL
Aroclor-1262 [1]	ND	0.36	mg/Kg dry	16		SW-846 8082A	8/1/18	8/4/18 3:38	KAL
Aroclor-1268 [1]	ND	0.36	mg/Kg dry	16		SW-846 8082A	8/1/18	8/4/18 3:38	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		113	30-150					8/4/18 3:38	
Decachlorobiphenyl [2]		116	30-150					8/4/18 3:38	
Tetrachloro-m-xylene [1]		93.9	30-150					8/4/18 3:38	
Tetrachloro-m-xylene [2]		97.2	30-150					8/4/18 3:38	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-C-2 (2.5-3.5)

Sampled: 7/27/2018 11:33

Sample ID: 18G1206-02

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	540	0.55	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 21:33	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-C-2 (2.5-3.5)

Sampled: 7/27/2018 11:33

Sample ID: 18G1206-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.6		% Wt	1		SM 2540G	8/2/18	8/2/18 11:38	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-2 (0-0.5)

Sampled: 7/27/2018 11:45

Sample ID: 18G1206-03

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	8/1/18	8/4/18 3:56	KAL
Aroclor-1221 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	8/1/18	8/4/18 3:56	KAL
Aroclor-1232 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	8/1/18	8/4/18 3:56	KAL
Aroclor-1242 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	8/1/18	8/4/18 3:56	KAL
Aroclor-1248 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	8/1/18	8/4/18 3:56	KAL
Aroclor-1254 [2]	5.7	0.89	mg/Kg dry	40		SW-846 8082A	8/1/18	8/4/18 3:56	KAL
Aroclor-1260 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	8/1/18	8/4/18 3:56	KAL
Aroclor-1262 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	8/1/18	8/4/18 3:56	KAL
Aroclor-1268 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	8/1/18	8/4/18 3:56	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		134	30-150					8/4/18 3:56	
Decachlorobiphenyl [2]		137	30-150					8/4/18 3:56	
Tetrachloro-m-xylene [1]		104	30-150					8/4/18 3:56	
Tetrachloro-m-xylene [2]		109	30-150					8/4/18 3:56	

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-2 (0-0.5)

Sampled: 7/27/2018 11:45

Sample ID: 18G1206-03

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	33	0.56	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 21:39	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-2 (0-0.5)

Sampled: 7/27/2018 11:45

Sample ID: 18G1206-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.4		% Wt	1		SM 2540G	8/2/18	8/2/18 11:38	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-2 (0.5-1.5)

Sampled: 7/27/2018 11:46

Sample ID: 18G1206-04

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	3.5	mg/Kg dry	160		SW-846 8082A	8/1/18	8/4/18 4:15	KAL
Aroclor-1221 [1]	ND	3.5	mg/Kg dry	160		SW-846 8082A	8/1/18	8/4/18 4:15	KAL
Aroclor-1232 [1]	ND	3.5	mg/Kg dry	160		SW-846 8082A	8/1/18	8/4/18 4:15	KAL
Aroclor-1242 [1]	ND	3.5	mg/Kg dry	160		SW-846 8082A	8/1/18	8/4/18 4:15	KAL
Aroclor-1248 [1]	ND	3.5	mg/Kg dry	160		SW-846 8082A	8/1/18	8/4/18 4:15	KAL
Aroclor-1254 [2]	20	3.5	mg/Kg dry	160		SW-846 8082A	8/1/18	8/4/18 4:15	KAL
Aroclor-1260 [1]	ND	3.5	mg/Kg dry	160		SW-846 8082A	8/1/18	8/4/18 4:15	KAL
Aroclor-1262 [1]	ND	3.5	mg/Kg dry	160		SW-846 8082A	8/1/18	8/4/18 4:15	KAL
Aroclor-1268 [1]	ND	3.5	mg/Kg dry	160		SW-846 8082A	8/1/18	8/4/18 4:15	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/4/18 4:15	
Decachlorobiphenyl [2]		*	30-150		S-01			8/4/18 4:15	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/4/18 4:15	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/4/18 4:15	



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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-2 (0.5-1.5)

Sampled: 7/27/2018 11:46

Sample ID: 18G1206-04

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	160	0.53	mg/Kg dry	1	MS-19	SW-846 6010D	8/1/18	8/2/18 21:10	MJH

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-2 (0.5-1.5)

Sampled: 7/27/2018 11:46

Sample ID: 18G1206-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.0		% Wt	1		SM 2540G	8/2/18	8/2/18 11:38	MJR

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-2 (1.5-2.5)

Sampled: 7/27/2018 11:47

Sample ID: 18G1206-05

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.33	mg/Kg dry	16		SW-846 8082A	8/1/18	8/4/18 4:33	KAL
Aroclor-1221 [1]	ND	0.33	mg/Kg dry	16		SW-846 8082A	8/1/18	8/4/18 4:33	KAL
Aroclor-1232 [1]	ND	0.33	mg/Kg dry	16		SW-846 8082A	8/1/18	8/4/18 4:33	KAL
Aroclor-1242 [1]	ND	0.33	mg/Kg dry	16		SW-846 8082A	8/1/18	8/4/18 4:33	KAL
Aroclor-1248 [1]	ND	0.33	mg/Kg dry	16		SW-846 8082A	8/1/18	8/4/18 4:33	KAL
Aroclor-1254 [1]	1.9	0.33	mg/Kg dry	16		SW-846 8082A	8/1/18	8/4/18 4:33	KAL
Aroclor-1260 [1]	ND	0.33	mg/Kg dry	16		SW-846 8082A	8/1/18	8/4/18 4:33	KAL
Aroclor-1262 [1]	ND	0.33	mg/Kg dry	16		SW-846 8082A	8/1/18	8/4/18 4:33	KAL
Aroclor-1268 [1]	ND	0.33	mg/Kg dry	16		SW-846 8082A	8/1/18	8/4/18 4:33	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		113	30-150					8/4/18 4:33	
Decachlorobiphenyl [2]		115	30-150					8/4/18 4:33	
Tetrachloro-m-xylene [1]		96.2	30-150					8/4/18 4:33	
Tetrachloro-m-xylene [2]		101	30-150					8/4/18 4:33	

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-2 (1.5-2.5)

Sampled: 7/27/2018 11:47

Sample ID: 18G1206-05

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	20	0.51	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 21:45	MJH

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-2 (1.5-2.5)

Sampled: 7/27/2018 11:47

Sample ID: 18G1206-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.7		% Wt	1		SM 2540G	8/2/18	8/2/18 11:38	MJR

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-2 (2.5-3.5)

Sampled: 7/27/2018 11:48

Sample ID: 18G1206-06

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	35	mg/Kg dry	1600		SW-846 8082A	8/1/18	8/4/18 4:51	KAL
Aroclor-1221 [1]	ND	35	mg/Kg dry	1600		SW-846 8082A	8/1/18	8/4/18 4:51	KAL
Aroclor-1232 [1]	ND	35	mg/Kg dry	1600		SW-846 8082A	8/1/18	8/4/18 4:51	KAL
Aroclor-1242 [1]	ND	35	mg/Kg dry	1600		SW-846 8082A	8/1/18	8/4/18 4:51	KAL
Aroclor-1248 [1]	ND	35	mg/Kg dry	1600		SW-846 8082A	8/1/18	8/4/18 4:51	KAL
Aroclor-1254 [2]	160	35	mg/Kg dry	1600		SW-846 8082A	8/1/18	8/4/18 4:51	KAL
Aroclor-1260 [1]	ND	35	mg/Kg dry	1600		SW-846 8082A	8/1/18	8/4/18 4:51	KAL
Aroclor-1262 [1]	ND	35	mg/Kg dry	1600		SW-846 8082A	8/1/18	8/4/18 4:51	KAL
Aroclor-1268 [1]	ND	35	mg/Kg dry	1600		SW-846 8082A	8/1/18	8/4/18 4:51	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/4/18 4:51	
Decachlorobiphenyl [2]		*	30-150		S-01			8/4/18 4:51	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/4/18 4:51	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/4/18 4:51	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-2 (2.5-3.5)

Sampled: 7/27/2018 11:48

Sample ID: 18G1206-06

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	330	0.55	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 21:50	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-2 (2.5-3.5)

Sampled: 7/27/2018 11:48

Sample ID: 18G1206-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.4		% Wt	1		SM 2540G	8/2/18	8/2/18 11:38	MJR



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-3 (0-0.5)

Sampled: 7/27/2018 12:10

Sample ID: 18G1206-07

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 5:09	KAL
Aroclor-1221 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 5:09	KAL
Aroclor-1232 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 5:09	KAL
Aroclor-1242 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 5:09	KAL
Aroclor-1248 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 5:09	KAL
Aroclor-1254 [2]	2.3	0.50	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 5:09	KAL
Aroclor-1260 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 5:09	KAL
Aroclor-1262 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 5:09	KAL
Aroclor-1268 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 5:09	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		120	30-150					8/4/18 5:09	
Decachlorobiphenyl [2]		122	30-150					8/4/18 5:09	
Tetrachloro-m-xylene [1]		100	30-150					8/4/18 5:09	
Tetrachloro-m-xylene [2]		104	30-150					8/4/18 5:09	

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-3 (0-0.5)

Sampled: 7/27/2018 12:10

Sample ID: 18G1206-07

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	39	0.61	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 21:57	MJH

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-3 (0-0.5)

Sampled: 7/27/2018 12:10

Sample ID: 18G1206-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.8		% Wt	1		SM 2540G	8/2/18	8/2/18 11:38	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-3 (0.5-1.5)

Sampled: 7/27/2018 12:11

Sample ID: 18G1206-08

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	8/1/18	8/4/18 5:29	KAL
Aroclor-1221 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	8/1/18	8/4/18 5:29	KAL
Aroclor-1232 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	8/1/18	8/4/18 5:29	KAL
Aroclor-1242 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	8/1/18	8/4/18 5:29	KAL
Aroclor-1248 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	8/1/18	8/4/18 5:29	KAL
Aroclor-1254 [2]	20	2.3	mg/Kg dry	100		SW-846 8082A	8/1/18	8/4/18 5:29	KAL
Aroclor-1260 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	8/1/18	8/4/18 5:29	KAL
Aroclor-1262 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	8/1/18	8/4/18 5:29	KAL
Aroclor-1268 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	8/1/18	8/4/18 5:29	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/4/18 5:29	
Decachlorobiphenyl [2]		*	30-150		S-01			8/4/18 5:29	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/4/18 5:29	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/4/18 5:29	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-3 (0.5-1.5)

Sampled: 7/27/2018 12:11

Sample ID: 18G1206-08

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	170	0.56	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 22:02	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-3 (0.5-1.5)

Sampled: 7/27/2018 12:11

Sample ID: 18G1206-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.8		% Wt	1		SM 2540G	8/2/18	8/2/18 11:38	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-3 (1.5-2.5)

Sampled: 7/27/2018 12:12

Sample ID: 18G1206-09

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	8/1/18	8/4/18 5:47	KAL
Aroclor-1221 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	8/1/18	8/4/18 5:47	KAL
Aroclor-1232 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	8/1/18	8/4/18 5:47	KAL
Aroclor-1242 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	8/1/18	8/4/18 5:47	KAL
Aroclor-1248 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	8/1/18	8/4/18 5:47	KAL
Aroclor-1254 [2]	15	2.2	mg/Kg dry	100		SW-846 8082A	8/1/18	8/4/18 5:47	KAL
Aroclor-1260 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	8/1/18	8/4/18 5:47	KAL
Aroclor-1262 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	8/1/18	8/4/18 5:47	KAL
Aroclor-1268 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	8/1/18	8/4/18 5:47	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/4/18 5:47	
Decachlorobiphenyl [2]		*	30-150		S-01			8/4/18 5:47	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/4/18 5:47	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/4/18 5:47	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-3 (1.5-2.5)

Sampled: 7/27/2018 12:12

Sample ID: 18G1206-09

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	100	0.53	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 22:09	MJH



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-3 (1.5-2.5)

Sampled: 7/27/2018 12:12

Sample ID: 18G1206-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.7		% Wt	1		SM 2540G	8/2/18	8/2/18 11:39	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-3 (2.5-3.5)

Sampled: 7/27/2018 12:13

Sample ID: 18G1206-10

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 9:18	KAL
Aroclor-1221 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 9:18	KAL
Aroclor-1232 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 9:18	KAL
Aroclor-1242 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 9:18	KAL
Aroclor-1248 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 9:18	KAL
Aroclor-1254 [2]	11	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 9:18	KAL
Aroclor-1260 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 9:18	KAL
Aroclor-1262 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 9:18	KAL
Aroclor-1268 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 9:18	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/4/18 9:18	
Decachlorobiphenyl [2]		*	30-150		S-01			8/4/18 9:18	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/4/18 9:18	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/4/18 9:18	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-3 (2.5-3.5)

Sampled: 7/27/2018 12:13

Sample ID: 18G1206-10

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	370	0.56	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 22:14	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-3 (2.5-3.5)

Sampled: 7/27/2018 12:13

Sample ID: 18G1206-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.8		% Wt	1		SM 2540G	8/2/18	8/2/18 11:39	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-4 (0-0.5)

Sampled: 7/27/2018 12:30

Sample ID: 18G1206-11

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 9:30	KAL
Aroclor-1221 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 9:30	KAL
Aroclor-1232 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 9:30	KAL
Aroclor-1242 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 9:30	KAL
Aroclor-1248 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 9:30	KAL
Aroclor-1254 [2]	4.5	0.49	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 9:30	KAL
Aroclor-1260 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 9:30	KAL
Aroclor-1262 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 9:30	KAL
Aroclor-1268 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 9:30	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	128		30-150				8/4/18 9:30		
Decachlorobiphenyl [2]	133		30-150				8/4/18 9:30		
Tetrachloro-m-xylene [1]	109		30-150				8/4/18 9:30		
Tetrachloro-m-xylene [2]	114		30-150				8/4/18 9:30		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-4 (0-0.5)

Sampled: 7/27/2018 12:30

Sample ID: 18G1206-11

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	130	0.61	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 22:21	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-4 (0-0.5)

Sampled: 7/27/2018 12:30

Sample ID: 18G1206-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.8		% Wt	1		SM 2540G	8/2/18	8/2/18 11:39	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-4 (0.5-1.5)

Sampled: 7/27/2018 12:31

Sample ID: 18G1206-12

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 9:48	KAL
Aroclor-1221 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 9:48	KAL
Aroclor-1232 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 9:48	KAL
Aroclor-1242 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 9:48	KAL
Aroclor-1248 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 9:48	KAL
Aroclor-1254 [2]	2.1	0.45	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 9:48	KAL
Aroclor-1260 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 9:48	KAL
Aroclor-1262 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 9:48	KAL
Aroclor-1268 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 9:48	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		123	30-150					8/4/18 9:48	
Decachlorobiphenyl [2]		127	30-150					8/4/18 9:48	
Tetrachloro-m-xylene [1]		102	30-150					8/4/18 9:48	
Tetrachloro-m-xylene [2]		106	30-150					8/4/18 9:48	



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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-4 (0.5-1.5)

Sampled: 7/27/2018 12:31

Sample ID: 18G1206-12

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	33	0.55	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 22:26	MJH

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-4 (0.5-1.5)

Sampled: 7/27/2018 12:31

Sample ID: 18G1206-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.5		% Wt	1		SM 2540G	8/2/18	8/2/18 11:39	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-4 (1.5-2.5)

Sampled: 7/27/2018 13:32

Sample ID: 18G1206-13

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.3	mg/Kg dry	200		SW-846 8082A	8/1/18	8/4/18 10:06	KAL
Aroclor-1221 [1]	ND	4.3	mg/Kg dry	200		SW-846 8082A	8/1/18	8/4/18 10:06	KAL
Aroclor-1232 [1]	ND	4.3	mg/Kg dry	200		SW-846 8082A	8/1/18	8/4/18 10:06	KAL
Aroclor-1242 [1]	ND	4.3	mg/Kg dry	200		SW-846 8082A	8/1/18	8/4/18 10:06	KAL
Aroclor-1248 [1]	ND	4.3	mg/Kg dry	200		SW-846 8082A	8/1/18	8/4/18 10:06	KAL
Aroclor-1254 [2]	28	4.3	mg/Kg dry	200		SW-846 8082A	8/1/18	8/4/18 10:06	KAL
Aroclor-1260 [1]	ND	4.3	mg/Kg dry	200		SW-846 8082A	8/1/18	8/4/18 10:06	KAL
Aroclor-1262 [1]	ND	4.3	mg/Kg dry	200		SW-846 8082A	8/1/18	8/4/18 10:06	KAL
Aroclor-1268 [1]	ND	4.3	mg/Kg dry	200		SW-846 8082A	8/1/18	8/4/18 10:06	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/4/18 10:06	
Decachlorobiphenyl [2]		*	30-150		S-01			8/4/18 10:06	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/4/18 10:06	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/4/18 10:06	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-4 (1.5-2.5)

Sampled: 7/27/2018 13:32

Sample ID: 18G1206-13

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	82	0.52	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 22:43	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-4 (1.5-2.5)

Sampled: 7/27/2018 13:32

Sample ID: 18G1206-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.9		% Wt	1		SM 2540G	8/2/18	8/2/18 11:39	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-4 (2.5-3.5)

Sampled: 7/27/2018 12:33

Sample ID: 18G1206-14

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 10:25	KAL
Aroclor-1221 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 10:25	KAL
Aroclor-1232 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 10:25	KAL
Aroclor-1242 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 10:25	KAL
Aroclor-1248 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 10:25	KAL
Aroclor-1254 [2]	13	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 10:25	KAL
Aroclor-1260 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 10:25	KAL
Aroclor-1262 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 10:25	KAL
Aroclor-1268 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 10:25	KAL
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	*	30-150			S-01			8/4/18 10:25	
Decachlorobiphenyl [2]	*	30-150			S-01			8/4/18 10:25	
Tetrachloro-m-xylene [1]	*	30-150			S-01			8/4/18 10:25	
Tetrachloro-m-xylene [2]	*	30-150			S-01			8/4/18 10:25	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-4 (2.5-3.5)

Sampled: 7/27/2018 12:33

Sample ID: 18G1206-14

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	2400	0.53	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 22:49	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-4 (2.5-3.5)

Sampled: 7/27/2018 12:33

Sample ID: 18G1206-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.6		% Wt	1		SM 2540G	8/2/18	8/2/18 11:39	MJR



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-5 (0-0.5)

Sampled: 7/27/2018 12:45

Sample ID: 18G1206-15

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 22:06	KAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 22:06	KAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 22:06	KAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 22:06	KAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 22:06	KAL
Aroclor-1254 [2]	0.88	0.090	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 22:06	KAL
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 22:06	KAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 22:06	KAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 22:06	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		94.9	30-150					8/3/18 22:06	
Decachlorobiphenyl [2]		94.4	30-150					8/3/18 22:06	
Tetrachloro-m-xylene [1]		89.6	30-150					8/3/18 22:06	
Tetrachloro-m-xylene [2]		93.1	30-150					8/3/18 22:06	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-5 (0-0.5)

Sampled: 7/27/2018 12:45

Sample ID: 18G1206-15

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	33	0.55	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 22:55	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-5 (0-0.5)

Sampled: 7/27/2018 12:45

Sample ID: 18G1206-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.1		% Wt	1		SM 2540G	8/2/18	8/2/18 11:39	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-5 (0.5-1.5)

Sampled: 7/27/2018 12:46

Sample ID: 18G1206-16

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 22:25	KAL
Aroclor-1221 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 22:25	KAL
Aroclor-1232 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 22:25	KAL
Aroclor-1242 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 22:25	KAL
Aroclor-1248 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 22:25	KAL
Aroclor-1254 [2]	0.18	0.083	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 22:25	KAL
Aroclor-1260 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 22:25	KAL
Aroclor-1262 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 22:25	KAL
Aroclor-1268 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 22:25	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		108	30-150					8/3/18 22:25	
Decachlorobiphenyl [2]		109	30-150					8/3/18 22:25	
Tetrachloro-m-xylene [1]		101	30-150					8/3/18 22:25	
Tetrachloro-m-xylene [2]		105	30-150					8/3/18 22:25	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-5 (0.5-1.5)

Sampled: 7/27/2018 12:46

Sample ID: 18G1206-16

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	7.2	0.50	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 23:01	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-5 (0.5-1.5)

Sampled: 7/27/2018 12:46

Sample ID: 18G1206-16

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.7		% Wt	1		SM 2540G	8/2/18	8/2/18 11:40	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-5 (1.5-2.5)

Sampled: 7/27/2018 12:47

Sample ID: 18G1206-17

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 10:43	KAL
Aroclor-1221 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 10:43	KAL
Aroclor-1232 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 10:43	KAL
Aroclor-1242 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 10:43	KAL
Aroclor-1248 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 10:43	KAL
Aroclor-1254 [2]	3.3	0.45	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 10:43	KAL
Aroclor-1260 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 10:43	KAL
Aroclor-1262 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 10:43	KAL
Aroclor-1268 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 10:43	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		114	30-150					8/4/18 10:43	
Decachlorobiphenyl [2]		116	30-150					8/4/18 10:43	
Tetrachloro-m-xylene [1]		91.4	30-150					8/4/18 10:43	
Tetrachloro-m-xylene [2]		96.5	30-150					8/4/18 10:43	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-5 (1.5-2.5)

Sampled: 7/27/2018 12:47

Sample ID: 18G1206-17

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	20	0.57	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 23:06	MJH



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-5 (1.5-2.5)

Sampled: 7/27/2018 12:47

Sample ID: 18G1206-17

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.6		% Wt	1		SM 2540G	8/2/18	8/2/18 11:40	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-5 (2.5-3.5)

Sampled: 7/27/2018 12:48

Sample ID: 18G1206-18

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 11:01	KAL
Aroclor-1221 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 11:01	KAL
Aroclor-1232 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 11:01	KAL
Aroclor-1242 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 11:01	KAL
Aroclor-1248 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 11:01	KAL
Aroclor-1254 [2]	1.9	0.43	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 11:01	KAL
Aroclor-1260 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 11:01	KAL
Aroclor-1262 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 11:01	KAL
Aroclor-1268 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 11:01	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		119	30-150					8/4/18 11:01	
Decachlorobiphenyl [2]		146	30-150					8/4/18 11:01	
Tetrachloro-m-xylene [1]		105	30-150					8/4/18 11:01	
Tetrachloro-m-xylene [2]		109	30-150					8/4/18 11:01	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-5 (2.5-3.5)

Sampled: 7/27/2018 12:48

Sample ID: 18G1206-18

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	200	0.51	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 23:12	MJH

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-D-5 (2.5-3.5)

Sampled: 7/27/2018 12:48

Sample ID: 18G1206-18

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.0		% Wt	1		SM 2540G	8/2/18	8/2/18 11:40	MJR

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-C.5-4 (0-0.5)

Sampled: 7/27/2018 13:00

Sample ID: 18G1206-19

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 23:19	KAL
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 23:19	KAL
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 23:19	KAL
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 23:19	KAL
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 23:19	KAL
Aroclor-1254 [2]	0.36	0.089	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 23:19	KAL
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 23:19	KAL
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 23:19	KAL
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 23:19	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		104	30-150					8/3/18 23:19	
Decachlorobiphenyl [2]		105	30-150					8/3/18 23:19	
Tetrachloro-m-xylene [1]		93.6	30-150					8/3/18 23:19	
Tetrachloro-m-xylene [2]		97.8	30-150					8/3/18 23:19	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-C.5-4 (0-0.5)

Sampled: 7/27/2018 13:00

Sample ID: 18G1206-19

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	18	0.56	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 23:18	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1206

Date Received: 7/27/2018

Field Sample #: B-C.5-4 (0-0.5)

Sampled: 7/27/2018 13:00

Sample ID: 18G1206-19

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.1		% Wt	1		SM 2540G	8/2/18	8/2/18 11:40	MJR

**Sample Extraction Data**

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18G1206-01 [B-C-2 (1.5-2.5)]	B209307	08/02/18
18G1206-02 [B-C-2 (2.5-3.5)]	B209307	08/02/18
18G1206-03 [B-D-2 (0-0.5)]	B209307	08/02/18
18G1206-04 [B-D-2 (0.5-1.5)]	B209307	08/02/18
18G1206-05 [B-D-2 (1.5-2.5)]	B209307	08/02/18
18G1206-06 [B-D-2 (2.5-3.5)]	B209307	08/02/18
18G1206-07 [B-D-3 (0-0.5)]	B209307	08/02/18
18G1206-08 [B-D-3 (0.5-1.5)]	B209307	08/02/18
18G1206-09 [B-D-3 (1.5-2.5)]	B209307	08/02/18
18G1206-10 [B-D-3 (2.5-3.5)]	B209307	08/02/18
18G1206-11 [B-D-4 (0-0.5)]	B209307	08/02/18
18G1206-12 [B-D-4 (0.5-1.5)]	B209307	08/02/18
18G1206-13 [B-D-4 (1.5-2.5)]	B209307	08/02/18
18G1206-14 [B-D-4 (2.5-3.5)]	B209307	08/02/18
18G1206-15 [B-D-5 (0-0.5)]	B209307	08/02/18
18G1206-16 [B-D-5 (0.5-1.5)]	B209307	08/02/18
18G1206-17 [B-D-5 (1.5-2.5)]	B209307	08/02/18
18G1206-18 [B-D-5 (2.5-3.5)]	B209307	08/02/18
18G1206-19 [B-C.5-4 (0-0.5)]	B209307	08/02/18

**Prep Method: SW-846 3050B-SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1206-01 [B-C-2 (1.5-2.5)]	B209294	1.51	50.0	08/01/18
18G1206-02 [B-C-2 (2.5-3.5)]	B209294	1.53	50.0	08/01/18
18G1206-03 [B-D-2 (0-0.5)]	B209294	1.49	50.0	08/01/18
18G1206-04 [B-D-2 (0.5-1.5)]	B209294	1.54	50.0	08/01/18
18G1206-05 [B-D-2 (1.5-2.5)]	B209294	1.53	50.0	08/01/18
18G1206-06 [B-D-2 (2.5-3.5)]	B209294	1.52	50.0	08/01/18
18G1206-07 [B-D-3 (0-0.5)]	B209294	1.53	50.0	08/01/18
18G1206-08 [B-D-3 (0.5-1.5)]	B209294	1.56	50.0	08/01/18
18G1206-09 [B-D-3 (1.5-2.5)]	B209294	1.52	50.0	08/01/18
18G1206-10 [B-D-3 (2.5-3.5)]	B209294	1.53	50.0	08/01/18
18G1206-11 [B-D-4 (0-0.5)]	B209294	1.50	50.0	08/01/18
18G1206-12 [B-D-4 (0.5-1.5)]	B209294	1.51	50.0	08/01/18
18G1206-13 [B-D-4 (1.5-2.5)]	B209294	1.53	50.0	08/01/18
18G1206-14 [B-D-4 (2.5-3.5)]	B209294	1.57	50.0	08/01/18
18G1206-15 [B-D-5 (0-0.5)]	B209294	1.52	50.0	08/01/18
18G1206-16 [B-D-5 (0.5-1.5)]	B209294	1.55	50.0	08/01/18
18G1206-17 [B-D-5 (1.5-2.5)]	B209294	1.48	50.0	08/01/18
18G1206-18 [B-D-5 (2.5-3.5)]	B209294	1.59	50.0	08/01/18
18G1206-19 [B-C.5-4 (0-0.5)]	B209294	1.50	50.0	08/01/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1206-01 [B-C-2 (1.5-2.5)]	B209282	10.0	10.0	08/01/18
18G1206-02 [B-C-2 (2.5-3.5)]	B209282	10.0	10.0	08/01/18
18G1206-03 [B-D-2 (0-0.5)]	B209282	10.0	10.0	08/01/18
18G1206-04 [B-D-2 (0.5-1.5)]	B209282	10.0	10.0	08/01/18
18G1206-05 [B-D-2 (1.5-2.5)]	B209282	10.0	10.0	08/01/18
18G1206-06 [B-D-2 (2.5-3.5)]	B209282	10.0	10.0	08/01/18
18G1206-07 [B-D-3 (0-0.5)]	B209282	10.0	10.0	08/01/18



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### Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1206-08 [B-D-3 (0.5-1.5)]	B209282	10.0	10.0	08/01/18
18G1206-09 [B-D-3 (1.5-2.5)]	B209282	10.0	10.0	08/01/18
18G1206-10 [B-D-3 (2.5-3.5)]	B209282	10.0	10.0	08/01/18
18G1206-11 [B-D-4 (0-0.5)]	B209282	10.0	10.0	08/01/18
18G1206-12 [B-D-4 (0.5-1.5)]	B209282	10.0	10.0	08/01/18
18G1206-13 [B-D-4 (1.5-2.5)]	B209282	10.0	10.0	08/01/18
18G1206-14 [B-D-4 (2.5-3.5)]	B209282	10.0	10.0	08/01/18
18G1206-15 [B-D-5 (0-0.5)]	B209282	10.0	10.0	08/01/18
18G1206-16 [B-D-5 (0.5-1.5)]	B209282	10.0	10.0	08/01/18
18G1206-17 [B-D-5 (1.5-2.5)]	B209282	10.0	10.0	08/01/18
18G1206-18 [B-D-5 (2.5-3.5)]	B209282	10.0	10.0	08/01/18
18G1206-19 [B-C.5-4 (0-0.5)]	B209282	10.0	10.0	08/01/18

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209282 - SW-846 3540C</b>										
<b>Blank (B209282-BLK1)</b>										
Prepared: 08/01/18 Analyzed: 08/03/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.195		mg/Kg wet	0.200		97.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.193		mg/Kg wet	0.200		96.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.176		mg/Kg wet	0.200		88.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.181		mg/Kg wet	0.200		90.6	30-150			
<b>LCS (B209282-BS1)</b>										
Prepared: 08/01/18 Analyzed: 08/03/18										
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		80.3	40-140			
Aroclor-1016 [2C]	0.16	0.020	mg/Kg wet	0.200		81.7	40-140			
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		87.2	40-140			
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		87.5	40-140			
Surrogate: Decachlorobiphenyl	0.183		mg/Kg wet	0.200		91.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.183		mg/Kg wet	0.200		91.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.130		mg/Kg wet	0.200		65.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.134		mg/Kg wet	0.200		67.0	30-150			
<b>LCS Dup (B209282-BSD1)</b>										
Prepared: 08/01/18 Analyzed: 08/03/18										
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		86.4	40-140	7.25	30	
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		87.3	40-140	6.65	30	
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		90.9	40-140	4.14	30	
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.200		91.0	40-140	3.93	30	
Surrogate: Decachlorobiphenyl	0.193		mg/Kg wet	0.200		96.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.192		mg/Kg wet	0.200		95.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.165		mg/Kg wet	0.200		82.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.168		mg/Kg wet	0.200		84.1	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209282 - SW-846 3540C</b>										
<b>Matrix Spike (B209282-MS1)</b>	<b>Source: 18G1206-01</b>			Prepared: 08/01/18 Analyzed: 08/03/18						
<b>Aroclor-1016</b>	0.33	0.088	mg/Kg dry	0.219	ND	<b>152</b>	* 40-140			MS-21
<b>Aroclor-1016 [2C]</b>	0.53	0.088	mg/Kg dry	0.219	ND	<b>244</b>	* 40-140			MS-21
<b>Aroclor-1260</b>	0.44	0.088	mg/Kg dry	0.219	ND	<b>202</b>	* 40-140			MS-21
<b>Aroclor-1260 [2C]</b>	0.55	0.088	mg/Kg dry	0.219	ND	<b>252</b>	* 40-140			MS-21
Surrogate: Decachlorobiphenyl	0.229		mg/Kg dry	0.219		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.232		mg/Kg dry	0.219		106	30-150			
Surrogate: Tetrachloro-m-xylene	0.205		mg/Kg dry	0.219		93.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.213		mg/Kg dry	0.219		96.9	30-150			
<b>Matrix Spike Dup (B209282-MSD1)</b>	<b>Source: 18G1206-01</b>			Prepared: 08/01/18 Analyzed: 08/04/18						
<b>Aroclor-1016</b>	0.35	0.088	mg/Kg dry	0.219	ND	<b>160</b>	* 40-140	5.31	50	MS-21
<b>Aroclor-1016 [2C]</b>	0.56	0.088	mg/Kg dry	0.219	ND	<b>256</b>	* 40-140	5.05	50	MS-21
<b>Aroclor-1260</b>	0.47	0.088	mg/Kg dry	0.219	ND	<b>214</b>	* 40-140	5.80	50	MS-21
<b>Aroclor-1260 [2C]</b>	0.59	0.088	mg/Kg dry	0.219	ND	<b>267</b>	* 40-140	5.61	50	MS-21
Surrogate: Decachlorobiphenyl	0.250		mg/Kg dry	0.219		114	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.255		mg/Kg dry	0.219		116	30-150			
Surrogate: Tetrachloro-m-xylene	0.215		mg/Kg dry	0.219		98.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.221		mg/Kg dry	0.219		101	30-150			

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**QUALITY CONTROL**

**Metals Analyses (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209294 - SW-846 3050B</b>										
<b>Blank (B209294-BLK1)</b>					Prepared: 08/01/18 Analyzed: 08/02/18					
Lead	ND	0.50	mg/Kg wet							
<b>LCS (B209294-BS1)</b>					Prepared: 08/01/18 Analyzed: 08/02/18					
Lead	112	1.5	mg/Kg wet	111		101	83-117.1			
<b>LCS Dup (B209294-BSD1)</b>					Prepared: 08/01/18 Analyzed: 08/02/18					
Lead	111	1.5	mg/Kg wet	111		100	83-117.1	0.507	30	
<b>Duplicate (B209294-DUP1)</b>					<b>Source: 18G1206-04</b> Prepared: 08/01/18 Analyzed: 08/02/18					
Lead	154	0.53	mg/Kg dry		156			1.38	35	
<b>MRL Check (B209294-MRL1)</b>					Prepared: 08/01/18 Analyzed: 08/02/18					
Lead	0.475	0.50	mg/Kg wet	0.497		95.5	80-120			
<b>Matrix Spike (B209294-MS1)</b>					<b>Source: 18G1206-04</b> Prepared: 08/01/18 Analyzed: 08/02/18					
Lead	189	0.53	mg/Kg dry	17.7	156	<b>185</b>	* 75-125			MS-19

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-2 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1206-01 Date(s) Analyzed: 08/03/2018 08/03/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.0	
	2	0.000	-0.030	0.030	1.0	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-2 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1206-02 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.2	
	2	0.000	-0.030	0.030	2.2	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-D-2 (0-0.5)**

Lab Sample ID: 18G1206-03 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	5.6	
	2	0.000	-0.030	0.030	5.7	1.8

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-D-2 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1206-04 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	20	
	2	0.000	-0.030	0.030	20	0.0



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-D-2 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1206-05 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.9	
	2	0.000	-0.030	0.030	1.9	5.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-D-2 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1206-06 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	160	
	2	0.000	-0.030	0.030	160	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-D-3 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1206-07 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.3	
	2	0.000	-0.030	0.030	2.3	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-D-3 (0.5-1.5)**

Lab Sample ID: 18G1206-08 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	19	
	2	0.000	-0.030	0.030	20	5.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-D-3 (1.5-2.5)**

Lab Sample ID: 18G1206-09 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	15	
	2	0.000	-0.030	0.030	15	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-D-3 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1206-10 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	11	
	2	0.000	-0.030	0.030	11	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-D-4 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1206-11 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	4.3	
	2	0.000	-0.030	0.030	4.5	4.6

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-D-4 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1206-12 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.0	
	2	0.000	-0.030	0.030	2.1	4.9



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-D-4 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1206-13 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	27	
	2	0.000	-0.030	0.030	28	3.6

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-D-4 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1206-14 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	13	
	2	0.000	-0.030	0.030	13	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-D-5 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1206-15 Date(s) Analyzed: 08/03/2018 08/03/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.86	
	2	0.000	-0.030	0.030	0.88	2.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-D-5 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1206-16 Date(s) Analyzed: 08/03/2018 08/03/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.18	5.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-D-5 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1206-17 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	3.3	
	2	0.000	-0.030	0.030	3.3	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-D-5 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1206-18 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.9	
	2	0.000	-0.030	0.030	1.9	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C.5-4 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1206-19 Date(s) Analyzed: 08/03/2018 08/03/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.35	
	2	0.000	-0.030	0.030	0.36	2.8

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

<b>LCS</b>
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*SW-846 8082A*

Lab Sample ID:                   B209282-BS1                                        Date(s) Analyzed:           08/03/2018                     08/03/2018          

Instrument ID (1):                   ECD3                                        Instrument ID (2):                   ECD3                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.16	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.17	0.0



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

*SW-846 8082A*

Lab Sample ID:                   B209282-BSD1                                        Date(s) Analyzed:           08/03/2018                     08/03/2018          

Instrument ID (1):                   ECD3                                        Instrument ID (2):                   ECD3                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.17	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.18	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

<b>Matrix Spike</b>
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Lab Sample ID:                   B209282-MS1                                        Date(s) Analyzed:           08/03/2018                     08/03/2018          

Instrument ID (1):                   ECD3                                        Instrument ID (2):                   ECD3                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.33	
	2	0.000	-0.030	0.030	0.53	46.5
Aroclor-1260	1	0.000	-0.030	0.030	0.44	
	2	0.000	-0.030	0.030	0.55	22.2

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike Dup**

*SW-846 8082A*

Lab Sample ID:                   B209282-MSD1                                        Date(s) Analyzed:           08/04/2018                          08/04/2018          

Instrument ID (1):                   ECD3                                                        Instrument ID (2):                   ECD3                  

GC Column (1):                                      ID:                      (mm)                      GC Column (2):                                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.35	
	2	0.000	-0.030	0.030	0.56	46.2
Aroclor-1260	1	0.000	-0.030	0.030	0.47	
	2	0.000	-0.030	0.030	0.59	22.6

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**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.
MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<b>SW-846 6010D in Soil</b>	
Lead	CT,NH,NY,AIHA,ME,VA,NC
<b>SW-846 8082A in Soil</b>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

18C-1200  
Phone: 413-525-2332  
Fax: 413-525-6405  
Email: info@contestlabs.com



Con-Test Work Order #	Client Sample ID / Description	Priority	Sample Date/Time	Analysis Requested	Matrix Code	Preservation Code	Container Code
01	B-C-2 (1S-2.5)	7/27	11:32	Lead	GW	I	1
02	B-C-2 (2S-3.5)	7/27	11:33	Lead	GW	I	1
	B-C-2 (3S-5.5)	7/27	11:34	Lead	GW	I	1
	B-C-2 (4S-7.5)	7/27	11:35	Lead	GW	I	1
	B-C-2 (5S-9.5)	7/27	11:36	Lead	GW	I	1
	B-C-2 (6S-11.5)	7/27	11:37	Lead	GW	I	1
	B-C-2 (11S-13.5)	7/27	11:38	Lead	GW	I	1
03	B-D-2 (6-0.5)	7/27	11:45	PCBS (Soxhlet)	DW	I	1
04	B-D-2 (0S-1.5)	7/27	11:46	PCBS (Soxhlet)	DW	I	1
05	B-D-2 (1S-2.5)	7/27	11:47	PCBS (Soxhlet)	DW	I	1

Comments: Samples w/ no analysis created to be analyzed  
 Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) Date: 7/27/18  
 Received by: (signature) Date: 7/27/18  
 Relinquished by: (signature) Date: 7/27/18  
 Received by: (signature) Date: 7/27/18  
 Relinquished by: (signature) Date: 7/27/18  
 Received by: (signature) Date: 7/27/18

Special Requirements:  
 MA MCP Required  
 MCP Certification Form Required  
 CT MCP Required  
 MCP Certification Form Required  
 MA State Day Required

Project Entity:  
 Government  
 Federal  
 City  
 Municipality  
 21 J  
 Brownfield  
 MWRA  
 School  
 MBTA  
 WRTA  
 Chromatogram  
 AHA-LAP, LLC  
 PCB ONLY  
 Soxhlet  
 Non Soxhlet







Requested Turnaround Time  
 7-Day  10-Day   
 Due Date:  
 Rush Approval Required  
 1-Day  3-Day   
 2-Day  4-Day   
 Data Delivery:  
 Format: PDF  EXCEL   
 Other:  
 CLP Like Data Pkg Required:   
 Email To:  
 Fax To #:

Client Name: **10Mey Park**  
 Project Location:  
 Project Number:  
 Project Manager:  
 Con-Test Quote Name/Number:  
 Invoice Recipient:  
 Sampled By:

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Matrix Code	Conc Code
	B-D-3 (S.S-7.5)	7/27	12:15		S	V
	B-D-3 (7.5-9.5)		12:16			
	B-D-3 (9.5-11.5)		12:17			
11	B-D-4 (0-0.5)		12:30			
12	B-D-4 (0.5-1.5)		12:31			
13	B-D-4 (1.5-2.5)		12:32			
14	B-D-4 (2.5-3.5)		12:33			
	B-D-4 (3.5-5.5)		12:34			
	B-D-4 (5.5-8.5)		12:35			
	B-D-4 (7.5-9.5)		12:36			

PCRS (Soxhlet) lead

Comments: Samples w/no analyses checked to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) *[Signature]* Date/Time: 7/27  
 Received by: (signature) *[Signature]* Date/Time: 7/27/18 1545  
 Relinquished by: (signature) *[Signature]* Date/Time: 7/27/18 1945  
 Received by: (signature) *[Signature]* Date/Time: 7/28/18 1945  
 Relinquished by: (signature) *[Signature]* Date/Time: 7/28/18 1945  
 Received by: (signature) *[Signature]* Date/Time: 7/28/18 1945

Special Requirements:  
 MA MCP Required  
 MCP Certification Form Required  
 CT RCP Required  
 RCP Certification Form Required  
 MA State DWR Required

Project Entity:  
 Government  Municipality  MBWA  WRTA  
 Federal  21 J  School  Chromatogram  
 City  Brownfield  MBTA  AIHA-LAP, LLC

PCB ONLY:  
 Soxhlet  
 Non Soxhlet









**con-test**  
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False**

Client Weston + Sampson

Received By RAF Date 7/27/18 Time 1945

How were the samples received? In Cooler T No Cooler \_\_\_\_\_ On Ice + No Ice \_\_\_\_\_  
 Direct from Sampling \_\_\_\_\_ Ambient \_\_\_\_\_ Melted Ice \_\_\_\_\_

Were samples within Temperature? 2-6°C T By Gun # 8 Actual Temp - 28/4.6/3.3  
 By Blank # \_\_\_\_\_ Actual Temp - \_\_\_\_\_

Was Custody Seal Intact? NA Were Samples Tampered with? NA  
 Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T  
 Did COC include all pertinent Information? Client T Analysis T Sampler Name T  
 Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? \_\_\_\_\_  
 Are there Rushes? F Who was notified? \_\_\_\_\_  
 Are there Short Holds? F Who was notified? \_\_\_\_\_

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F  
 Proper Media/Containers Used? T Is splitting samples required? F  
 Were trip blanks received? F On COC? F

Do all samples have the proper pH? NA Acid \_\_\_\_\_ Base \_\_\_\_\_

Vials	#	Containers	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

**Unused Media**

Vials	#	Containers	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

**Comments:**

Samples received in 3 coolers.



August 6, 2018

Taylor Smith  
Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960

Project Location: Conway Park., Somerville, MA  
Client Job Number:  
Project Number: [none]  
Laboratory Work Order Number: 18G1207

Enclosed are results of analyses for samples received by the laboratory on July 27, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Meghan E. Kelley". The signature is written in a cursive style with a large, sweeping flourish at the end.

Meghan E. Kelley  
Project Manager

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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 8/6/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1207

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-C.5-4 (0.5-1.5)	18G1207-01	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-C.5-4 (1.5-2.5)	18G1207-02	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-C.5-4 (2.5-3.5)	18G1207-03	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-B-2 (0-0.5)	18G1207-04	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-B-2 (0.5-1.5)	18G1207-05	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-B-2 (1.5-2.5)	18G1207-06	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-B-2 (2.5-3.5)	18G1207-07	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-B-3 (0-0.5)	18G1207-08	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-B-3 (0.5-1.5)	18G1207-09	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-B-3 (1.5-2.5)	18G1207-10	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-B-3 (2.5-3.5)	18G1207-11	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-B-4 (0-0.5)	18G1207-12	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-B-4 (0.5-1.5)	18G1207-13	Soil		SM 2540G SW-846 6010D SW-846 8082A	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 8/6/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1207

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-B-4 (1.5-2.5)	18G1207-14	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-B-4 (2.5-3.5)	18G1207-15	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-B-5 (0-0.5)	18G1207-16	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-B-5 (0.5-1.5)	18G1207-17	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-B-5 (1.5-2.5)	18G1207-18	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-B-5 (2.5-3.5)	18G1207-19	Soil		SM 2540G SW-846 6010D SW-846 8082A	



## CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 6010, only Pb was requested and reported.

SW-846 8082A

**Qualifications:****O-32**

A dilution was performed as part of the standard analytical procedure.

**Analyte & Samples(s) Qualified:**

18G1207-11[B-B-3 (2.5-3.5)], 18G1207-12[B-B-4 (0-0.5)], 18G1207-13[B-B-4 (0.5-1.5)], 18G1207-16[B-B-5 (0-0.5)], 18G1207-17[B-B-5 (0.5-1.5)]

**P-01**

Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.

**Analyte & Samples(s) Qualified:****Aroclor-1254 [2C]**

18G1207-07[B-B-2 (2.5-3.5)]

**S-01**

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**Analyte & Samples(s) Qualified:****Decachlorobiphenyl**

18G1207-01[B-C.5-4 (0.5-1.5)], 18G1207-02[B-C.5-4 (1.5-2.5)], 18G1207-03[B-C.5-4 (2.5-3.5)], 18G1207-05[B-B-2 (0.5-1.5)], 18G1207-06[B-B-2 (1.5-2.5)]

**Decachlorobiphenyl [2C]**

18G1207-01[B-C.5-4 (0.5-1.5)], 18G1207-02[B-C.5-4 (1.5-2.5)], 18G1207-03[B-C.5-4 (2.5-3.5)], 18G1207-05[B-B-2 (0.5-1.5)], 18G1207-06[B-B-2 (1.5-2.5)]

**Tetrachloro-m-xylene**

18G1207-01[B-C.5-4 (0.5-1.5)], 18G1207-02[B-C.5-4 (1.5-2.5)], 18G1207-03[B-C.5-4 (2.5-3.5)], 18G1207-05[B-B-2 (0.5-1.5)], 18G1207-06[B-B-2 (1.5-2.5)]

**Tetrachloro-m-xylene [2C]**

18G1207-01[B-C.5-4 (0.5-1.5)], 18G1207-02[B-C.5-4 (1.5-2.5)], 18G1207-03[B-C.5-4 (2.5-3.5)], 18G1207-05[B-B-2 (0.5-1.5)], 18G1207-06[B-B-2 (1.5-2.5)]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Tod E. Kopyscinski  
Laboratory Director

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-C.5-4 (0.5-1.5)

Sampled: 7/27/2018 13:01

Sample ID: 18G1207-01

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	8/1/18	8/4/18 2:19	KAL
Aroclor-1221 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	8/1/18	8/4/18 2:19	KAL
Aroclor-1232 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	8/1/18	8/4/18 2:19	KAL
Aroclor-1242 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	8/1/18	8/4/18 2:19	KAL
Aroclor-1248 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	8/1/18	8/4/18 2:19	KAL
Aroclor-1254 [2]	5.8	0.89	mg/Kg dry	40		SW-846 8082A	8/1/18	8/4/18 2:19	KAL
Aroclor-1260 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	8/1/18	8/4/18 2:19	KAL
Aroclor-1262 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	8/1/18	8/4/18 2:19	KAL
Aroclor-1268 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	8/1/18	8/4/18 2:19	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/4/18 2:19	
Decachlorobiphenyl [2]		*	30-150		S-01			8/4/18 2:19	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/4/18 2:19	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/4/18 2:19	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-C.5-4 (0.5-1.5)

Sampled: 7/27/2018 13:01

Sample ID: 18G1207-01

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	110	0.56	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 19:41	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-C.5-4 (0.5-1.5)

Sampled: 7/27/2018 13:01

Sample ID: 18G1207-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.4		% Wt	1		SM 2540G	8/2/18	8/2/18 17:43	DMP

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-C.5-4 (1.5-2.5)

Sampled: 7/27/2018 13:02

Sample ID: 18G1207-02

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.3	mg/Kg dry	200		SW-846 8082A	8/1/18	8/4/18 2:36	KAL
Aroclor-1221 [1]	ND	4.3	mg/Kg dry	200		SW-846 8082A	8/1/18	8/4/18 2:36	KAL
Aroclor-1232 [1]	ND	4.3	mg/Kg dry	200		SW-846 8082A	8/1/18	8/4/18 2:36	KAL
Aroclor-1242 [1]	ND	4.3	mg/Kg dry	200		SW-846 8082A	8/1/18	8/4/18 2:36	KAL
Aroclor-1248 [1]	ND	4.3	mg/Kg dry	200		SW-846 8082A	8/1/18	8/4/18 2:36	KAL
Aroclor-1254 [2]	38	4.3	mg/Kg dry	200		SW-846 8082A	8/1/18	8/4/18 2:36	KAL
Aroclor-1260 [1]	ND	4.3	mg/Kg dry	200		SW-846 8082A	8/1/18	8/4/18 2:36	KAL
Aroclor-1262 [1]	ND	4.3	mg/Kg dry	200		SW-846 8082A	8/1/18	8/4/18 2:36	KAL
Aroclor-1268 [1]	ND	4.3	mg/Kg dry	200		SW-846 8082A	8/1/18	8/4/18 2:36	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/4/18 2:36	
Decachlorobiphenyl [2]		*	30-150		S-01			8/4/18 2:36	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/4/18 2:36	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/4/18 2:36	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-C.5-4 (1.5-2.5)

Sampled: 7/27/2018 13:02

Sample ID: 18G1207-02

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	540	0.53	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 19:46	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-C.5-4 (1.5-2.5)

Sampled: 7/27/2018 13:02

Sample ID: 18G1207-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.4		% Wt	1		SM 2540G	8/2/18	8/2/18 17:43	DMP

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-C.5-4 (2.5-3.5)

Sampled: 7/27/2018 13:03

Sample ID: 18G1207-03

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 2:53	KAL
Aroclor-1221 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 2:53	KAL
Aroclor-1232 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 2:53	KAL
Aroclor-1242 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 2:53	KAL
Aroclor-1248 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 2:53	KAL
Aroclor-1254 [2]	9.4	1.7	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 2:53	KAL
Aroclor-1260 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 2:53	KAL
Aroclor-1262 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 2:53	KAL
Aroclor-1268 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 2:53	KAL
Surrogates	% Recovery		Recovery Limits	Flag/Qual					
Decachlorobiphenyl [1]	*		30-150	S-01		8/4/18 2:53			
Decachlorobiphenyl [2]	*		30-150	S-01		8/4/18 2:53			
Tetrachloro-m-xylene [1]	*		30-150	S-01		8/4/18 2:53			
Tetrachloro-m-xylene [2]	*		30-150	S-01		8/4/18 2:53			



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-C.5-4 (2.5-3.5)

Sampled: 7/27/2018 13:03

Sample ID: 18G1207-03

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	200	0.54	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 19:52	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-C.5-4 (2.5-3.5)

Sampled: 7/27/2018 13:03

Sample ID: 18G1207-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.7		% Wt	1		SM 2540G	8/2/18	8/2/18 17:43	DMP

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-2 (0-0.5)

Sampled: 7/27/2018 13:20

Sample ID: 18G1207-04

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 3:10	KAL
Aroclor-1221 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 3:10	KAL
Aroclor-1232 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 3:10	KAL
Aroclor-1242 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 3:10	KAL
Aroclor-1248 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 3:10	KAL
Aroclor-1254 [2]	2.8	0.48	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 3:10	KAL
Aroclor-1260 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 3:10	KAL
Aroclor-1262 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 3:10	KAL
Aroclor-1268 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 3:10	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		100	30-150					8/4/18 3:10	
Decachlorobiphenyl [2]		116	30-150					8/4/18 3:10	
Tetrachloro-m-xylene [1]		75.3	30-150					8/4/18 3:10	
Tetrachloro-m-xylene [2]		105	30-150					8/4/18 3:10	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-2 (0-0.5)

Sampled: 7/27/2018 13:20

Sample ID: 18G1207-04

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	18	0.62	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 19:57	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-2 (0-0.5)

Sampled: 7/27/2018 13:20

Sample ID: 18G1207-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.5		% Wt	1		SM 2540G	8/2/18	8/2/18 17:43	DMP

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-2 (0.5-1.5)

Sampled: 7/27/2018 13:21

Sample ID: 18G1207-05

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.1	mg/Kg dry	400		SW-846 8082A	8/1/18	8/4/18 3:28	KAL
Aroclor-1221 [1]	ND	9.1	mg/Kg dry	400		SW-846 8082A	8/1/18	8/4/18 3:28	KAL
Aroclor-1232 [1]	ND	9.1	mg/Kg dry	400		SW-846 8082A	8/1/18	8/4/18 3:28	KAL
Aroclor-1242 [1]	ND	9.1	mg/Kg dry	400		SW-846 8082A	8/1/18	8/4/18 3:28	KAL
Aroclor-1248 [1]	ND	9.1	mg/Kg dry	400		SW-846 8082A	8/1/18	8/4/18 3:28	KAL
Aroclor-1254 [2]	74	9.1	mg/Kg dry	400		SW-846 8082A	8/1/18	8/4/18 3:28	KAL
Aroclor-1260 [1]	ND	9.1	mg/Kg dry	400		SW-846 8082A	8/1/18	8/4/18 3:28	KAL
Aroclor-1262 [1]	ND	9.1	mg/Kg dry	400		SW-846 8082A	8/1/18	8/4/18 3:28	KAL
Aroclor-1268 [1]	ND	9.1	mg/Kg dry	400		SW-846 8082A	8/1/18	8/4/18 3:28	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/4/18 3:28	
Decachlorobiphenyl [2]		*	30-150		S-01			8/4/18 3:28	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/4/18 3:28	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/4/18 3:28	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-2 (0.5-1.5)

Sampled: 7/27/2018 13:21

Sample ID: 18G1207-05

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	140	0.56	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 20:02	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-2 (0.5-1.5)

Sampled: 7/27/2018 13:21

Sample ID: 18G1207-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.6		% Wt	1		SM 2540G	8/2/18	8/2/18 17:44	DMP



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-2 (1.5-2.5)

Sampled: 7/27/2018 13:22

Sample ID: 18G1207-06

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 3:45	KAL
Aroclor-1221 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 3:45	KAL
Aroclor-1232 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 3:45	KAL
Aroclor-1242 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 3:45	KAL
Aroclor-1248 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 3:45	KAL
Aroclor-1254 [2]	13	1.9	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 3:45	KAL
Aroclor-1260 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 3:45	KAL
Aroclor-1262 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 3:45	KAL
Aroclor-1268 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 3:45	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/4/18 3:45	
Decachlorobiphenyl [2]		*	30-150		S-01			8/4/18 3:45	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/4/18 3:45	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/4/18 3:45	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-2 (1.5-2.5)

Sampled: 7/27/2018 13:22

Sample ID: 18G1207-06

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	180	0.57	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 20:19	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-2 (1.5-2.5)

Sampled: 7/27/2018 13:22

Sample ID: 18G1207-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.9		% Wt	1		SM 2540G	8/2/18	8/2/18 17:44	DMP

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-2 (2.5-3.5)

Sampled: 7/27/2018 13:23

Sample ID: 18G1207-07

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 18:50	KAL
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 18:50	KAL
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 18:50	KAL
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 18:50	KAL
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 18:50	KAL
Aroclor-1254 [2]	0.41	0.088	mg/Kg dry	4	P-01	SW-846 8082A	8/1/18	8/3/18 18:50	KAL
Aroclor-1260 [2]	0.23	0.088	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 18:50	KAL
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 18:50	KAL
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 18:50	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	90.9		30-150				8/3/18 18:50		
Decachlorobiphenyl [2]	127		30-150				8/3/18 18:50		
Tetrachloro-m-xylene [1]	65.2		30-150				8/3/18 18:50		
Tetrachloro-m-xylene [2]	79.0		30-150				8/3/18 18:50		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-2 (2.5-3.5)

Sampled: 7/27/2018 13:23

Sample ID: 18G1207-07

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	170	0.55	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 20:24	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-2 (2.5-3.5)

Sampled: 7/27/2018 13:23

Sample ID: 18G1207-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.3		% Wt	1		SM 2540G	8/2/18	8/2/18 17:44	DMP

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-3 (0-0.5)

Sampled: 7/27/2018 13:34

Sample ID: 18G1207-08

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 19:07	KAL
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 19:07	KAL
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 19:07	KAL
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 19:07	KAL
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 19:07	KAL
Aroclor-1254 [2]	0.097	0.089	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 19:07	KAL
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 19:07	KAL
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 19:07	KAL
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 19:07	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		89.3	30-150					8/3/18 19:07	
Decachlorobiphenyl [2]		101	30-150					8/3/18 19:07	
Tetrachloro-m-xylene [1]		68.1	30-150					8/3/18 19:07	
Tetrachloro-m-xylene [2]		88.3	30-150					8/3/18 19:07	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-3 (0-0.5)

Sampled: 7/27/2018 13:34

Sample ID: 18G1207-08

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	7.6	0.56	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 20:29	QNW



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-3 (0-0.5)

Sampled: 7/27/2018 13:34

Sample ID: 18G1207-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.7		% Wt	1		SM 2540G	8/2/18	8/2/18 17:44	DMP

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-3 (0.5-1.5)

Sampled: 7/27/2018 13:35

Sample ID: 18G1207-09

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 19:25	KAL
Aroclor-1221 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 19:25	KAL
Aroclor-1232 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 19:25	KAL
Aroclor-1242 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 19:25	KAL
Aroclor-1248 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 19:25	KAL
Aroclor-1254 [2]	0.13	0.083	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 19:25	KAL
Aroclor-1260 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 19:25	KAL
Aroclor-1262 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 19:25	KAL
Aroclor-1268 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 19:25	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	92.4		30-150				8/3/18 19:25		
Decachlorobiphenyl [2]	105		30-150				8/3/18 19:25		
Tetrachloro-m-xylene [1]	72.9		30-150				8/3/18 19:25		
Tetrachloro-m-xylene [2]	97.2		30-150				8/3/18 19:25		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-3 (0.5-1.5)

Sampled: 7/27/2018 13:35

Sample ID: 18G1207-09

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	5.9	0.52	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 20:34	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-3 (0.5-1.5)

Sampled: 7/27/2018 13:35

Sample ID: 18G1207-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.2		% Wt	1		SM 2540G	8/2/18	8/2/18 17:44	DMP

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-3 (1.5-2.5)

Sampled: 7/27/2018 01:36

Sample ID: 18G1207-10

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 19:42	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 19:42	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 19:42	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 19:42	KAL
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 19:42	KAL
Aroclor-1254 [2]	0.42	0.084	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 19:42	KAL
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 19:42	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 19:42	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 19:42	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		94.5	30-150					8/3/18 19:42	
Decachlorobiphenyl [2]		107	30-150					8/3/18 19:42	
Tetrachloro-m-xylene [1]		77.5	30-150					8/3/18 19:42	
Tetrachloro-m-xylene [2]		101	30-150					8/3/18 19:42	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-3 (1.5-2.5)

Sampled: 7/27/2018 01:36

Sample ID: 18G1207-10

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	20	0.52	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 20:38	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-3 (1.5-2.5)

Sampled: 7/27/2018 01:36

Sample ID: 18G1207-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.4		% Wt	1		SM 2540G	8/2/18	8/2/18 17:44	DMP

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-3 (2.5-3.5)

Sampled: 7/27/2018 13:37

Sample ID: 18G1207-11

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 21:03	KAL
Aroclor-1221 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 21:03	KAL
Aroclor-1232 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 21:03	KAL
Aroclor-1242 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 21:03	KAL
Aroclor-1248 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 21:03	KAL
Aroclor-1254 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 21:03	KAL
Aroclor-1260 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 21:03	KAL
Aroclor-1262 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 21:03	KAL
Aroclor-1268 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 21:03	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		96.6	30-150					8/3/18 21:03	
Decachlorobiphenyl [2]		109	30-150					8/3/18 21:03	
Tetrachloro-m-xylene [1]		70.7	30-150					8/3/18 21:03	
Tetrachloro-m-xylene [2]		91.9	30-150					8/3/18 21:03	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-3 (2.5-3.5)

Sampled: 7/27/2018 13:37

Sample ID: 18G1207-11

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	9.9	0.52	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 20:43	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-3 (2.5-3.5)

Sampled: 7/27/2018 13:37

Sample ID: 18G1207-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.8		% Wt	1		SM 2540G	8/2/18	8/2/18 17:45	DMP

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-4 (0-0.5)

Sampled: 7/27/2018 13:55

Sample ID: 18G1207-12

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 21:21	KAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 21:21	KAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 21:21	KAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 21:21	KAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 21:21	KAL
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 21:21	KAL
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 21:21	KAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 21:21	KAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 21:21	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		97.4	30-150					8/3/18 21:21	
Decachlorobiphenyl [2]		110	30-150					8/3/18 21:21	
Tetrachloro-m-xylene [1]		75.3	30-150					8/3/18 21:21	
Tetrachloro-m-xylene [2]		95.7	30-150					8/3/18 21:21	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-4 (0-0.5)

Sampled: 7/27/2018 13:55

Sample ID: 18G1207-12

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	9.7	0.55	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 20:47	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-4 (0-0.5)

Sampled: 7/27/2018 13:55

Sample ID: 18G1207-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.6		% Wt	1		SM 2540G	8/2/18	8/2/18 17:45	DMP

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-4 (0.5-1.5)

Sampled: 7/27/2018 13:56

Sample ID: 18G1207-13

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 21:38	KAL
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 21:38	KAL
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 21:38	KAL
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 21:38	KAL
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 21:38	KAL
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 21:38	KAL
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 21:38	KAL
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 21:38	KAL
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 21:38	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		97.9	30-150					8/3/18 21:38	
Decachlorobiphenyl [2]		111	30-150					8/3/18 21:38	
Tetrachloro-m-xylene [1]		70.4	30-150					8/3/18 21:38	
Tetrachloro-m-xylene [2]		96.3	30-150					8/3/18 21:38	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-4 (0.5-1.5)

Sampled: 7/27/2018 13:56

Sample ID: 18G1207-13

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	6.5	0.53	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 20:52	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-4 (0.5-1.5)

Sampled: 7/27/2018 13:56

Sample ID: 18G1207-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.5		% Wt	1		SM 2540G	8/2/18	8/2/18 17:45	DMP



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-4 (1.5-2.5)

Sampled: 7/27/2018 13:57

Sample ID: 18G1207-14

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 8:08	KAL
Aroclor-1221 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 8:08	KAL
Aroclor-1232 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 8:08	KAL
Aroclor-1242 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 8:08	KAL
Aroclor-1248 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 8:08	KAL
Aroclor-1254 [2]	3.2	0.43	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 8:08	KAL
Aroclor-1260 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 8:08	KAL
Aroclor-1262 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 8:08	KAL
Aroclor-1268 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 8:08	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		101	30-150					8/4/18 8:08	
Decachlorobiphenyl [2]		115	30-150					8/4/18 8:08	
Tetrachloro-m-xylene [1]		69.7	30-150					8/4/18 8:08	
Tetrachloro-m-xylene [2]		94.1	30-150					8/4/18 8:08	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-4 (1.5-2.5)

Sampled: 7/27/2018 13:57

Sample ID: 18G1207-14

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	39	0.54	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 20:56	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-4 (1.5-2.5)

Sampled: 7/27/2018 13:57

Sample ID: 18G1207-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.8		% Wt	1		SM 2540G	8/2/18	8/2/18 17:45	DMP

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-4 (2.5-3.5)

Sampled: 7/27/2018 13:58

Sample ID: 18G1207-15

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 8:20	KAL
Aroclor-1221 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 8:20	KAL
Aroclor-1232 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 8:20	KAL
Aroclor-1242 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 8:20	KAL
Aroclor-1248 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 8:20	KAL
Aroclor-1254 [2]	1.9	0.42	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 8:20	KAL
Aroclor-1260 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 8:20	KAL
Aroclor-1262 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 8:20	KAL
Aroclor-1268 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 8:20	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		96.3	30-150					8/4/18 8:20	
Decachlorobiphenyl [2]		110	30-150					8/4/18 8:20	
Tetrachloro-m-xylene [1]		73.9	30-150					8/4/18 8:20	
Tetrachloro-m-xylene [2]		99.3	30-150					8/4/18 8:20	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-4 (2.5-3.5)

Sampled: 7/27/2018 13:58

Sample ID: 18G1207-15

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	43	0.52	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 21:00	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-4 (2.5-3.5)

Sampled: 7/27/2018 13:58

Sample ID: 18G1207-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.4		% Wt	1		SM 2540G	8/2/18	8/2/18 17:45	DMP

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-5 (0-0.5)

Sampled: 7/27/2018 14:05

Sample ID: 18G1207-16

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 22:30	KAL
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 22:30	KAL
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 22:30	KAL
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 22:30	KAL
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 22:30	KAL
Aroclor-1254 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 22:30	KAL
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 22:30	KAL
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 22:30	KAL
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 22:30	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		98.2	30-150					8/3/18 22:30	
Decachlorobiphenyl [2]		111	30-150					8/3/18 22:30	
Tetrachloro-m-xylene [1]		74.6	30-150					8/3/18 22:30	
Tetrachloro-m-xylene [2]		95.1	30-150					8/3/18 22:30	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-5 (0-0.5)

Sampled: 7/27/2018 14:05

Sample ID: 18G1207-16

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	11	0.55	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 21:18	QNW



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-5 (0-0.5)

Sampled: 7/27/2018 14:05

Sample ID: 18G1207-16

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.9		% Wt	1		SM 2540G	8/2/18	8/2/18 17:45	DMP

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-5 (0.5-1.5)

Sampled: 7/27/2018 14:06

Sample ID: 18G1207-17

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 22:47	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 22:47	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 22:47	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 22:47	KAL
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 22:47	KAL
Aroclor-1254 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 22:47	KAL
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 22:47	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 22:47	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 22:47	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		99.6	30-150					8/3/18 22:47	
Decachlorobiphenyl [2]		112	30-150					8/3/18 22:47	
Tetrachloro-m-xylene [1]		74.7	30-150					8/3/18 22:47	
Tetrachloro-m-xylene [2]		97.1	30-150					8/3/18 22:47	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-5 (0.5-1.5)

Sampled: 7/27/2018 14:06

Sample ID: 18G1207-17

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	6.2	0.51	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 21:23	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-5 (0.5-1.5)

Sampled: 7/27/2018 14:06

Sample ID: 18G1207-17

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.6		% Wt	1		SM 2540G	8/2/18	8/2/18 17:45	DMP

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-5 (1.5-2.5)

Sampled: 7/27/2018 14:07

Sample ID: 18G1207-18

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 23:04	KAL
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 23:04	KAL
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 23:04	KAL
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 23:04	KAL
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 23:04	KAL
Aroclor-1254 [2]	0.60	0.082	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 23:04	KAL
Aroclor-1260 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 23:04	KAL
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 23:04	KAL
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 23:04	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		96.9	30-150					8/3/18 23:04	
Decachlorobiphenyl [2]		110	30-150					8/3/18 23:04	
Tetrachloro-m-xylene [1]		76.4	30-150					8/3/18 23:04	
Tetrachloro-m-xylene [2]		97.6	30-150					8/3/18 23:04	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-5 (1.5-2.5)

Sampled: 7/27/2018 14:07

Sample ID: 18G1207-18

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	5.6	0.51	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 19:37	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-5 (1.5-2.5)

Sampled: 7/27/2018 14:07

Sample ID: 18G1207-18

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	97.4		% Wt	1		SM 2540G	8/2/18	8/2/18 17:46	DMP

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-5 (2.5-3.5)

Sampled: 7/27/2018 14:08

Sample ID: 18G1207-19

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 8:38	KAL
Aroclor-1221 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 8:38	KAL
Aroclor-1232 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 8:38	KAL
Aroclor-1242 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 8:38	KAL
Aroclor-1248 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 8:38	KAL
Aroclor-1254 [2]	2.0	0.42	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 8:38	KAL
Aroclor-1260 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 8:38	KAL
Aroclor-1262 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 8:38	KAL
Aroclor-1268 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/1/18	8/4/18 8:38	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		93.9	30-150					8/4/18 8:38	
Decachlorobiphenyl [2]		108	30-150					8/4/18 8:38	
Tetrachloro-m-xylene [1]		68.0	30-150					8/4/18 8:38	
Tetrachloro-m-xylene [2]		91.6	30-150					8/4/18 8:38	



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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-5 (2.5-3.5)

Sampled: 7/27/2018 14:08

Sample ID: 18G1207-19

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	51	0.51	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 21:27	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1207

Date Received: 7/27/2018

Field Sample #: B-B-5 (2.5-3.5)

Sampled: 7/27/2018 14:08

Sample ID: 18G1207-19

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.2		% Wt	1		SM 2540G	8/2/18	8/2/18 17:46	DMP

**Sample Extraction Data**

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18G1207-01 [B-C.5-4 (0.5-1.5)]	B209336	08/02/18
18G1207-02 [B-C.5-4 (1.5-2.5)]	B209336	08/02/18
18G1207-03 [B-C.5-4 (2.5-3.5)]	B209336	08/02/18
18G1207-04 [B-B-2 (0-0.5)]	B209336	08/02/18
18G1207-05 [B-B-2 (0.5-1.5)]	B209336	08/02/18
18G1207-06 [B-B-2 (1.5-2.5)]	B209336	08/02/18
18G1207-07 [B-B-2 (2.5-3.5)]	B209336	08/02/18
18G1207-08 [B-B-3 (0-0.5)]	B209336	08/02/18
18G1207-09 [B-B-3 (0.5-1.5)]	B209336	08/02/18
18G1207-10 [B-B-3 (1.5-2.5)]	B209336	08/02/18
18G1207-11 [B-B-3 (2.5-3.5)]	B209336	08/02/18
18G1207-12 [B-B-4 (0-0.5)]	B209336	08/02/18
18G1207-13 [B-B-4 (0.5-1.5)]	B209336	08/02/18
18G1207-14 [B-B-4 (1.5-2.5)]	B209336	08/02/18
18G1207-15 [B-B-4 (2.5-3.5)]	B209336	08/02/18
18G1207-16 [B-B-5 (0-0.5)]	B209336	08/02/18
18G1207-17 [B-B-5 (0.5-1.5)]	B209336	08/02/18
18G1207-18 [B-B-5 (1.5-2.5)]	B209336	08/02/18
18G1207-19 [B-B-5 (2.5-3.5)]	B209336	08/02/18

**Prep Method: SW-846 3050B-SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1207-01 [B-C.5-4 (0.5-1.5)]	B209297	1.51	50.0	08/01/18
18G1207-02 [B-C.5-4 (1.5-2.5)]	B209297	1.52	50.0	08/01/18
18G1207-03 [B-C.5-4 (2.5-3.5)]	B209297	1.48	50.0	08/01/18
18G1207-04 [B-B-2 (0-0.5)]	B209297	1.47	50.0	08/01/18
18G1207-05 [B-B-2 (0.5-1.5)]	B209297	1.52	50.0	08/01/18
18G1207-06 [B-B-2 (1.5-2.5)]	B209297	1.55	50.0	08/01/18
18G1207-07 [B-B-2 (2.5-3.5)]	B209297	1.50	50.0	08/01/18
18G1207-08 [B-B-3 (0-0.5)]	B209297	1.49	50.0	08/01/18
18G1207-09 [B-B-3 (0.5-1.5)]	B209297	1.49	50.0	08/01/18
18G1207-10 [B-B-3 (1.5-2.5)]	B209297	1.50	50.0	08/01/18
18G1207-11 [B-B-3 (2.5-3.5)]	B209297	1.50	50.0	08/01/18
18G1207-12 [B-B-4 (0-0.5)]	B209297	1.53	50.0	08/01/18
18G1207-13 [B-B-4 (0.5-1.5)]	B209297	1.53	50.0	08/01/18
18G1207-14 [B-B-4 (1.5-2.5)]	B209297	1.51	50.0	08/01/18
18G1207-15 [B-B-4 (2.5-3.5)]	B209297	1.54	50.0	08/01/18
18G1207-16 [B-B-5 (0-0.5)]	B209297	1.56	50.0	08/01/18
18G1207-17 [B-B-5 (0.5-1.5)]	B209297	1.53	50.0	08/01/18
18G1207-18 [B-B-5 (1.5-2.5)]	B209297	1.52	50.0	08/01/18
18G1207-19 [B-B-5 (2.5-3.5)]	B209297	1.56	50.0	08/01/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1207-01 [B-C.5-4 (0.5-1.5)]	B209283	10.0	10.0	08/01/18
18G1207-02 [B-C.5-4 (1.5-2.5)]	B209283	10.0	10.0	08/01/18
18G1207-03 [B-C.5-4 (2.5-3.5)]	B209283	10.0	10.0	08/01/18
18G1207-04 [B-B-2 (0-0.5)]	B209283	10.0	10.0	08/01/18
18G1207-05 [B-B-2 (0.5-1.5)]	B209283	10.0	10.0	08/01/18
18G1207-06 [B-B-2 (1.5-2.5)]	B209283	10.0	10.0	08/01/18
18G1207-07 [B-B-2 (2.5-3.5)]	B209283	10.0	10.0	08/01/18

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**Sample Extraction Data****Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1207-08 [B-B-3 (0-0.5)]	B209283	10.0	10.0	08/01/18
18G1207-09 [B-B-3 (0.5-1.5)]	B209283	10.0	10.0	08/01/18
18G1207-10 [B-B-3 (1.5-2.5)]	B209283	10.0	10.0	08/01/18
18G1207-11 [B-B-3 (2.5-3.5)]	B209283	10.0	10.0	08/01/18
18G1207-12 [B-B-4 (0-0.5)]	B209283	10.0	10.0	08/01/18
18G1207-13 [B-B-4 (0.5-1.5)]	B209283	10.0	10.0	08/01/18
18G1207-14 [B-B-4 (1.5-2.5)]	B209283	10.0	10.0	08/01/18
18G1207-15 [B-B-4 (2.5-3.5)]	B209283	10.0	10.0	08/01/18
18G1207-16 [B-B-5 (0-0.5)]	B209283	10.0	10.0	08/01/18
18G1207-17 [B-B-5 (0.5-1.5)]	B209283	10.0	10.0	08/01/18
18G1207-18 [B-B-5 (1.5-2.5)]	B209283	10.0	10.0	08/01/18
18G1207-19 [B-B-5 (2.5-3.5)]	B209283	10.0	10.0	08/01/18

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209283 - SW-846 3540C</b>										
<b>Blank (B209283-BLK1)</b>										
Prepared: 08/01/18 Analyzed: 08/03/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.182		mg/Kg wet	0.200		90.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.208		mg/Kg wet	0.200		104	30-150			
Surrogate: Tetrachloro-m-xylene	0.153		mg/Kg wet	0.200		76.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.188		mg/Kg wet	0.200		94.2	30-150			
<b>LCS (B209283-BS1)</b>										
Prepared: 08/01/18 Analyzed: 08/03/18										
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		85.0	40-140			
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		99.1	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		78.2	40-140			
Aroclor-1260 [2C]	0.21	0.020	mg/Kg wet	0.200		105	40-140			
Surrogate: Decachlorobiphenyl	0.188		mg/Kg wet	0.200		94.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.217		mg/Kg wet	0.200		109	30-150			
Surrogate: Tetrachloro-m-xylene	0.163		mg/Kg wet	0.200		81.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.205		mg/Kg wet	0.200		102	30-150			
<b>LCS Dup (B209283-BSD1)</b>										
Prepared: 08/01/18 Analyzed: 08/03/18										
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		80.6	40-140	5.25	30	
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		94.3	40-140	4.93	30	
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		76.5	40-140	2.20	30	
Aroclor-1260 [2C]	0.21	0.020	mg/Kg wet	0.200		103	40-140	1.92	30	
Surrogate: Decachlorobiphenyl	0.192		mg/Kg wet	0.200		96.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.220		mg/Kg wet	0.200		110	30-150			
Surrogate: Tetrachloro-m-xylene	0.153		mg/Kg wet	0.200		76.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.190		mg/Kg wet	0.200		94.9	30-150			

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**QUALITY CONTROL**

**Metals Analyses (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209297 - SW-846 3050B</b>										
<b>Blank (B209297-BLK1)</b>					Prepared: 08/01/18 Analyzed: 08/02/18					
Lead	ND	0.50	mg/Kg wet							
<b>LCS (B209297-BS1)</b>					Prepared: 08/01/18 Analyzed: 08/02/18					
Lead	104	1.5	mg/Kg wet	111		93.7	83-117.1			
<b>LCS Dup (B209297-BSD1)</b>					Prepared: 08/01/18 Analyzed: 08/02/18					
Lead	104	1.5	mg/Kg wet	111		93.9	83-117.1	0.120	30	
<b>Duplicate (B209297-DUP1)</b>					<b>Source: 18G1207-18</b> Prepared: 08/01/18 Analyzed: 08/02/18					
Lead	6.21	0.50	mg/Kg dry		5.62			9.99	35	
<b>MRL Check (B209297-MRL1)</b>					Prepared: 08/01/18 Analyzed: 08/02/18					
Lead	0.504	0.49	mg/Kg wet	0.491		103	80-120			
<b>Matrix Spike (B209297-MS1)</b>					<b>Source: 18G1207-18</b> Prepared: 08/01/18 Analyzed: 08/02/18					
Lead	21.3	0.51	mg/Kg dry	16.9	5.62	92.5	75-125			

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**QUALITY CONTROL**

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209336 - % Solids</b>										
<b>Duplicate (B209336-DUP4)</b>	<b>Source: 18G1207-01</b>			Prepared & Analyzed: 08/02/18						
% Solids	89.7		% Wt		89.4			0.291	20	
<b>Duplicate (B209336-DUP5)</b>	<b>Source: 18G1207-11</b>			Prepared & Analyzed: 08/02/18						
% Solids	96.1		% Wt		95.8			0.285	20	

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C.5-4 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1207-01 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	4.3	
	2	0.000	-0.030	0.030	5.8	29.7



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C.5-4 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1207-02 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	29	
	2	0.000	-0.030	0.030	38	26.9

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C.5-4 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1207-03 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	7.3	
	2	0.000	-0.030	0.030	9.4	25.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-B-2 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1207-04 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.1	
	2	0.000	-0.030	0.030	2.8	28.6

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-B-2 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1207-05 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	56	
	2	0.000	-0.030	0.030	74	27.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-B-2 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1207-06 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	9.5	
	2	0.000	-0.030	0.030	13	31.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-B-2 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1207-07 Date(s) Analyzed: 08/03/2018 08/03/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.24	
	2	0.000	-0.030	0.030	0.41	52.3
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.23	30.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-B-3 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1207-09 Date(s) Analyzed: 08/03/2018 08/03/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.094	
	2	0.000	-0.030	0.030	0.13	32.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-B-3 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1207-10 Date(s) Analyzed: 08/03/2018 08/03/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.31	
	2	0.000	-0.030	0.030	0.42	30.1



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-B-4 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1207-14 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.4	
	2	0.000	-0.030	0.030	3.2	28.6

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-B-4 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1207-15 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.4	
	2	0.000	-0.030	0.030	1.9	30.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-B-5 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1207-18 Date(s) Analyzed: 08/03/2018 08/03/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.45	
	2	0.000	-0.030	0.030	0.60	28.6

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-B-5 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1207-19 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.5	
	2	0.000	-0.030	0.030	2.0	28.6

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS
-----

*SW-846 8082A*

Lab Sample ID:                   B209283-BS1                                        Date(s) Analyzed:           08/03/2018                     08/03/2018          

Instrument ID (1):                   ECD10                                        Instrument ID (2):                   ECD10                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.20	16.2
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.21	27.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

LCS Dup

Lab Sample ID:                   B209283-BSD1                                        Date(s) Analyzed:           08/03/2018                     08/03/2018          

Instrument ID (1):                   ECD10                                        Instrument ID (2):                   ECD10                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.19	17.1
Aroclor-1260	1	0.000	-0.030	0.030	0.15	
	2	0.000	-0.030	0.030	0.21	33.3

---

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**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
O-32	A dilution was performed as part of the standard analytical procedure.
P-01	Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<b>SW-846 6010D in Soil</b>	
Lead	CT,NH,NY,AIHA,ME,VA,NC
<b>SW-846 8082A in Soil</b>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019



18C1207



**Company Name:** [Redacted]  
**Address:** [Redacted]  
**Phone:** [Redacted]  
**Project Name:** [Redacted]  
**Project Location:** [Redacted]  
**Project Number:** [Redacted]  
**Project Manager:** [Redacted]  
**Con-Test Quote Name/Number:** [Redacted]  
**Invoice Recipient:** [Redacted]  
**Sampled By:** [Redacted]

**Requested Turnaround Time:** 7-Day  10-Day   
**Due Date:** [Redacted]

**Run Approval Required:** 1-Day  3-Day   
 2-Day  4-Day   
**Date Delivery:** [Redacted]  
**Format:** PDF  EXCEL   
**Other:** [Redacted]  
**CLP Like Data Pkg Required:**   
**Email To:** [Redacted]  
**Fax To #:** [Redacted]

Con-Test Work Order	Client Sample ID / Description	Sampling Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Pres. Code
C01	B-C-5-4 (0.5-1.5)	7/27	1301	1	1	S	U
C02	B-C-5-4 (1.5-2.5)		1302	1	1	S	U
C03	B-C-5-4 (2.5-3.5)		1303	1	1	S	U
	B-C-5-4 (3.5-5.5)		1304	1	1	S	U
	B-C-5-4 (5.5-7.5)		1305	1	1	S	U
	B-C-5-4 (7.5-9.5)		1306	1	1	S	U
	B-C-5-4 (9.5-11.5)		1307	1	1	S	U
	B-C-5-4 (11.5-13.5)		1308	1	1	S	U
C04	B-B-2 (0.0-0.5)		1320	1	1	S	U
C05	B-B-2 (0.5-1.5)		1321	1	1	S	U

**ANALYSIS REQUESTED:** [Redacted]

**Matrix Codes:**  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

**Preservation Codes:**  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

**Container Codes:**  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

**PCB ONLY:**  
 Soxhlet  
 Non Soxhlet

**Comments:**  
 Samples w/ no visible organic + metals  
 Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

**Relinquished by (signature):** [Signature] Date/Time: 7/27/18  
**Received by (signature):** [Signature] Date/Time: 7/27/18  
**Relinquished by (signature):** [Signature] Date/Time: 7/27/18  
**Received by (signature):** [Signature] Date/Time: 7/27/18

**Special Requirements:**  
 MA MCP Required  
 MLP Certification Form Required  
 CT RCP Required  
 RCP Certification Form Required  
 MA State DBP Required

**Project Entity:**  
 Government  
 Federal  
 City  
 Municipality  
 21 J  
 Brownfield  
 MWRA  
 School  
 MBTA  
 WRTA  
 AIFA-LAP, LLC  
 Other

18C-1207

Phone: 413-525-2332  
Fax: 413-525-6405  
Email: info@contestlabs.com



**Requested Turnaround Time**  
 7-Day  10-Day   
**Due Date:**  
 1-Day  3-Day   
 2-Day  4-Day   
**Date Delivery**  
 Format: PDF  EXCEL   
 Other:   
 GLP Like Data Pkg Required:   
 Email To:   
 Fax To #:

**Company Name:** Conway  
**Address:**  
**Phone:**  
**Project Location:**  
**Project Number:**  
**Project Manager:**  
**Con-Test Quote Name/Number:**  
**Invoice Recipient:**  
**Sampled By:**

Con-Test Work Order #	Client Sample ID / Description	Project Name / Address	Priority	Special Requirements	MA MOP Required	MA State DMV Required
060	B-B-2 (1.S-2.S)	7/07 1322	1	S	<input type="checkbox"/>	<input type="checkbox"/>
07	B-B-2 (2.S-3.S)	7/07 1323	1	S	<input type="checkbox"/>	<input type="checkbox"/>
	B-B-2 (3.S-5.S)	7/07 1324	1	S	<input type="checkbox"/>	<input type="checkbox"/>
	B-B-2 (5.S-7.S)	7/07 1325	1	S	<input type="checkbox"/>	<input type="checkbox"/>
	B-B-2 (7.S-9.S)	7/07 1326	1	S	<input type="checkbox"/>	<input type="checkbox"/>
	B-B-2 (9.S-11.S)	7/07 1327	1	S	<input type="checkbox"/>	<input type="checkbox"/>
	B-B-2 (11.S-13.S)	7/07 1328	1	S	<input type="checkbox"/>	<input type="checkbox"/>
	B-B-2 (13.S-15.S)	7/07 1329	1	S	<input type="checkbox"/>	<input type="checkbox"/>
08	B-B-3 (0.O.S)	7/07 1334	1	S	<input type="checkbox"/>	<input type="checkbox"/>
09	B-B-3 (0.O.S-1.S)	7/07 1335	1	S	<input type="checkbox"/>	<input type="checkbox"/>

Comments: Samples of NO checked analyses to be held

**Relinquished by: (signature)** [Signature] Date/Time: 7/27  
**Received by: (signature)** [Signature] Date/Time: 7/27/18 1545  
**Relinquished by: (signature)** [Signature] Date/Time: 7/27/18 1945  
**Received by: (signature)** [Signature] Date/Time: 7/28/18 1945  
**Relinquished by: (signature)** [Signature] Date/Time: 7/27/18 1945  
**Received by: (signature)** [Signature] Date/Time:     

**Special Requirements**  
 MA MOP Required  
 MOP Certification Form Required  
 CT RCP Required  
 RCP Certification Form Required  
 MA State DMV Required  
 PWSID #     

**Project Entity**  
 Government  Municipality  MMWA  WRITA  
 Federal  21 J  School  AIHA-LAP, LLC  
 City  Brownfield  MBTA

**Other**  
 Chromatogram  
 PCB ONLY  
 Soxhlet  
 Non Soxhlet



18042007

Phone: 413-525-2332  
Fax: 413-525-6405  
Email: info@contestlabs.com



Requested Turnaround Time:  
 7-Day  10-Day   
 Due Date:  
 Basic Approval Required:  
 1-Day  3-Day   
 2-Day  4-Day   
 Data Delivery:  
 Format:  PDF  EXCEL   
 Other:  
 CLP Like Data Pkg Required:   
 Email To:  
 Fax To #:

Project Name: CONWAY  
 Project Location:  
 Project Number:  
 Project Manager:  
 Con-Test Quote Name/Number:  
 Invoice Recipient:  
 Sampled By:

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Sample Type	Conc Code
10	B-B-3 (1.S-2.S)	7/27/18	7/27/18	1	S	U
11	B-B-3 (2.S-3.S)	7/27/18	7/27/18	1	S	U
	B-B-3 (3.S-5.S)	7/27/18	7/27/18	1	S	U
	B-B-3 (5.S-7.S)	7/27/18	7/27/18	1	S	U
	B-B-3 (7.S-9.S)	7/27/18	7/27/18	1	S	U
	B-B-3 (9.S-16.S)	7/27/18	7/27/18	1	S	U
	B-B-3 (11.S-12.S)	7/27/18	7/27/18	1	S	U
12	B-B-4 (0-0.S)	7/27/18	7/27/18	1	S	U
13	B-B-4 (0.S-1.S)	7/27/18	7/27/18	1	S	U
14	B-B-4 (1.S-2.S)	7/27/18	7/27/18	1	S	U

Comments: Samples w/ no analyses selected to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) [Signature] Date/Time: 7/27/18  
 Received by: (signature) [Signature] Date/Time: 7/27/18 15:45  
 Relinquished by: (signature) [Signature] Date/Time: 7/27/18 19:45  
 Received by: (signature) [Signature] Date/Time: 7/28/18 19:45  
 Relinquished by: (signature) [Signature] Date/Time: 7/27/18 19:45  
 Received by: (signature) [Signature] Date/Time: 7/27/18 19:45

Special Requirements:  
 MA MCP Required  
 MCP Certification Form Required  
 CT RCP Required  
 RCP Certification Form Required  
 MA State DWW Required  
 PWSID #

Project Entity:  
 Government  Municipality  MWRA  WRTA  
 Federal  21 J  School  AIHA-LAP, LLC  
 City  Brownfield  MBTA  
 Other:  Chromatogram

# of Containers  
 ? Preservation Code  
 ? Container Code  
 ? Matrix Codes:  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)  
 ? Preservation Codes:  
 1 = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)  
 ? Container Codes:  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Radlar Bag  
 O = Other (please define)

ANALYSIS REQUESTED

PCB ONLY  
 Soxhlet  
 Non Soxhlet

18612007  
 Phone: 413-525-2332  
 Fax: 413-525-6405  
 Email: info@contestlabs.com



Company Name: CONWAY  
 Address:  
 Phone:  
 Project Location:  
 Project Number:  
 Project Manager:  
 Con-Test Quote Name/Number:  
 Invoice Recipient:  
 Sampled By:

Con-Test Work Order #	Client Sample ID / Description	Sampling Date/Time	Analysis Requested	Matrix Code	Preservation Code	Container Code	Special Requirements
15	B-B-4 (2.5-3.5)	7/27 1758	Lead	S	U		
16	B-B-4 (3.5-5.5)	1359					
17	B-B-4 (5.5-7.5)	1900					
18	B-B-4 (7.5-9.5)	1401					
19	B-B-4 (9.5-11.5)	1402					
10	B-B-5 (0-0.5)	1405					
17	B-B-5 (0.5-1.5)	1406					
18	B-B-5 (1.5-2.5)	1407					
19	B-B-5 (2.5-3.5)	1408					
	B-B-5 (3.5-5.5)	1409					

Requested Turnaround Time:  
 7-Day  10-Day   
 Due Date:  
 Request Approval Required:  
 1-Day  3-Day   
 2-Day  4-Day   
 Data Delays:  
 Format: PDF  EXCEL   
 Other:  
 CLP Like Data Pkg Required:   
 Email To:  
 Fax To #:

MA MCP Required   
 MA State DW Required   
 MA Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 PWSID #

Project Entity:  
 Government  Municipality  WRTA  Other  
 Federal  21 J  School  Chromatogram  
 City  Brownfield  MBTA  AIHA-LAP, LLC

Received by: (signature) Date/Time: 7/27 1545  
 Relinquished by: (signature) Date/Time: 7/27/08 1945  
 Relinquished by: (signature) Date/Time: 7/27/08 1945  
 Relinquished by: (signature) Date/Time: 7/27/08 1945

Comments:  
 Samples w/ no checked analyses to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

1 Matrix Codes:  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

2 Preservation Codes:  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Trisulfate  
 O = Other (please define)

3 Container Codes:  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

PCB ONLY:  
 Soxhlet  
 Non Soxhlet





**con-test**  
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False**

Client Weston + Sampson

Received By RAP Date 7/27/18 Time 1945

How were the samples received? In Cooler T No Cooler \_\_\_\_\_ On Ice + No Ice \_\_\_\_\_  
 Direct from Sampling \_\_\_\_\_ Ambient \_\_\_\_\_ Melted Ice \_\_\_\_\_

Were samples within Temperature? 2-6°C T By Gun # 5 Actual Temp - 2.8/4.6/3.3  
 By Blank # \_\_\_\_\_ Actual Temp - \_\_\_\_\_

Was Custody Seal Intact? NA Were Samples Tampered with? NA  
 Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T  
 Did COC include all pertinent Information? Client T Analysis T Sampler Name T  
 Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T  
 Are there Lab to Filters? F Who was notified? \_\_\_\_\_  
 Are there Rushes? F Who was notified? \_\_\_\_\_  
 Are there Short Holds? F Who was notified? \_\_\_\_\_

Is there enough Volume? T  
 Is there Headspace where applicable? F MS/MSD? F  
 Proper Media/Containers Used? T Is splitting samples required? F  
 Were trip blanks received? F On COC? F  
 Do all samples have the proper pH? NA Acid \_\_\_\_\_ Base \_\_\_\_\_

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-		Other Plastic		Other Glass	4	Encore
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:
Sulfuric-		Perchlorate		Ziplock		

**Unused Media**

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-		Other Plastic		Other Glass		Encore
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:
Sulfuric-		Perchlorate		Ziplock		

**Comments:**

Samples received in 3 coolers.

## MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Con-Test Analytical Laboratory			Project #: 18G1207		
Project Location: Conway Park., Somerville, MA			RTN:		
This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)] 18G1207-01 thru 18G1207-19					
Matrices: Soil					
<b>CAM Protocol (check all that below)</b>					
8260 VOC CAM II A ( )	7470/7471 Hg CAM III B ( )	MassDEP VPH CAM IV A ( )	8082 PCB CAM V A (X)	9014 Total Cyanide/PAC CAM VI A ( )	6860 Perchlorate CAM VIII B ( )
8270 SVOC CAM II B ( )	7010 Metals CAM III C ( )	MassDEP VPH CAM IV C ( )	8081 Pesticides CAM V B ( )	7196 Hex Cr CAM VI B ( )	MassDEP APH CAM IX A ( )
6010 Metals CAM III A ( )	6020 Metals CAM III D ( )	MassDEP EPH CAM IV A ( )	8151 Herbicides CAM V C ( )	8330 Explosives CAM VIII A ( )	TO-15 VOC CAM IX B ( )
<b>Affirmative response to Questions A through F is required for "Presumptive Certainty" status</b>					
<b>A</b>	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>B</b>	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>C</b>	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>D</b>	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>E a</b>	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).				<input type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>E b</b>	APH and TO-15 Methods only: Was the complete analyte list reported for each method?				<input type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>F</b>	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all No responses to Questions A through E)?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>A response to questions G, H and I below is required for "Presumptive Certainty" status</b>					
<b>G</b>	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.</b>					
<b>H</b>	Were all QC performance standards specified in the CAM protocol(s) achieved?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>
<b>I</b>	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>
<sup>1</sup> All Negative responses must be addressed in an attached Environmental Laboratory case narrative.					
<b>I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.</b>					
Signature: _____			Position: _____		
Printed Name: _____			Date: 08/06/18		

August 6, 2018

Taylor Smith  
Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960

Project Location: Conway Park., Somerville, MA  
Client Job Number:  
Project Number: [none]  
Laboratory Work Order Number: 18G1209

Enclosed are results of analyses for samples received by the laboratory on July 27, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley  
Project Manager

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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 8/6/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1209

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-B.5-4 (0-0.5)	18G1209-01	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-B.5-4 (0.5-1.5)	18G1209-02	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-B.5-4 (1.5-2.5)	18G1209-03	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-B.5-4 (2.5-3.5)	18G1209-04	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-A-9 (0-0.5)	18G1209-05	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-A-9 (0.5-1.5)	18G1209-06	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-A-9 (1.5-2.5)	18G1209-07	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-A-9 (2.5-3.5)	18G1209-08	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-A-7 (0-0.5)	18G1209-09	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-A-7 (0.5-1.5)	18G1209-10	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-A-7 (1.5-2.5)	18G1209-11	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-A-7 (2.5-3.5)	18G1209-12	Soil		SM 2540G SW-846 6010D SW-846 8082A	

**CASE NARRATIVE SUMMARY**

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 6010, only Pb was requested and reported.

**SW-846 8082A**

**Qualifications:****MS-21**

Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.

**Analyte & Samples(s) Qualified:****Aroclor-1016**

B209285-MS1, B209285-MSD1

**Aroclor-1016 [2C]**

B209285-MS1, B209285-MSD1

**Aroclor-1260**

B209285-MS1, B209285-MSD1

**Aroclor-1260 [2C]**

B209285-MS1, B209285-MSD1

**S-01**

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**Analyte & Samples(s) Qualified:****Decachlorobiphenyl**

18G1209-01[B-B.5-4 (0-0.5)], 18G1209-02[B-B.5-4 (0.5-1.5)], 18G1209-03[B-B.5-4 (1.5-2.5)], 18G1209-04[B-B.5-4 (2.5-3.5)], 18G1209-05[B-A-9 (0-0.5)], 18G1209-06[B-A-9 (0.5-1.5)], 18G1209-08[B-A-9 (2.5-3.5)]

**Decachlorobiphenyl [2C]**

18G1209-01[B-B.5-4 (0-0.5)], 18G1209-02[B-B.5-4 (0.5-1.5)], 18G1209-03[B-B.5-4 (1.5-2.5)], 18G1209-04[B-B.5-4 (2.5-3.5)], 18G1209-05[B-A-9 (0-0.5)], 18G1209-06[B-A-9 (0.5-1.5)], 18G1209-08[B-A-9 (2.5-3.5)]

**Tetrachloro-m-xylene**

18G1209-01[B-B.5-4 (0-0.5)], 18G1209-02[B-B.5-4 (0.5-1.5)], 18G1209-03[B-B.5-4 (1.5-2.5)], 18G1209-04[B-B.5-4 (2.5-3.5)], 18G1209-05[B-A-9 (0-0.5)], 18G1209-06[B-A-9 (0.5-1.5)], 18G1209-08[B-A-9 (2.5-3.5)]

**Tetrachloro-m-xylene [2C]**

18G1209-01[B-B.5-4 (0-0.5)], 18G1209-02[B-B.5-4 (0.5-1.5)], 18G1209-03[B-B.5-4 (1.5-2.5)], 18G1209-04[B-B.5-4 (2.5-3.5)], 18G1209-05[B-A-9 (0-0.5)], 18G1209-06[B-A-9 (0.5-1.5)], 18G1209-08[B-A-9 (2.5-3.5)]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington  
Project Manager

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1209

Date Received: 7/27/2018

Field Sample #: B-B.5-4 (0-0.5)

Sampled: 7/27/2018 14:15

Sample ID: 18G1209-01

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.0	mg/Kg dry	40		SW-846 8082A	8/1/18	8/3/18 17:05	PJG
Aroclor-1221 [1]	ND	1.0	mg/Kg dry	40		SW-846 8082A	8/1/18	8/3/18 17:05	PJG
Aroclor-1232 [1]	ND	1.0	mg/Kg dry	40		SW-846 8082A	8/1/18	8/3/18 17:05	PJG
Aroclor-1242 [1]	ND	1.0	mg/Kg dry	40		SW-846 8082A	8/1/18	8/3/18 17:05	PJG
Aroclor-1248 [1]	ND	1.0	mg/Kg dry	40		SW-846 8082A	8/1/18	8/3/18 17:05	PJG
Aroclor-1254 [1]	7.8	1.0	mg/Kg dry	40		SW-846 8082A	8/1/18	8/3/18 17:05	PJG
Aroclor-1260 [1]	ND	1.0	mg/Kg dry	40		SW-846 8082A	8/1/18	8/3/18 17:05	PJG
Aroclor-1262 [1]	ND	1.0	mg/Kg dry	40		SW-846 8082A	8/1/18	8/3/18 17:05	PJG
Aroclor-1268 [1]	ND	1.0	mg/Kg dry	40		SW-846 8082A	8/1/18	8/3/18 17:05	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/3/18 17:05	
Decachlorobiphenyl [2]		*	30-150		S-01			8/3/18 17:05	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/3/18 17:05	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/3/18 17:05	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1209

Date Received: 7/27/2018

Field Sample #: B-B.5-4 (0-0.5)

Sampled: 7/27/2018 14:15

Sample ID: 18G1209-01

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	150	0.66	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 16:10	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1209

Date Received: 7/27/2018

Field Sample #: B-B.5-4 (0-0.5)

Sampled: 7/27/2018 14:15

Sample ID: 18G1209-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	77.0		% Wt	1		SM 2540G	8/2/18	8/2/18 17:46	DMP

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1209

Date Received: 7/27/2018

Field Sample #: B-B.5-4 (0.5-1.5)

Sampled: 7/27/2018 14:16

Sample ID: 18G1209-02

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	8/1/18	8/3/18 17:23	PJG
Aroclor-1221 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	8/1/18	8/3/18 17:23	PJG
Aroclor-1232 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	8/1/18	8/3/18 17:23	PJG
Aroclor-1242 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	8/1/18	8/3/18 17:23	PJG
Aroclor-1248 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	8/1/18	8/3/18 17:23	PJG
Aroclor-1254 [1]	27	4.5	mg/Kg dry	200		SW-846 8082A	8/1/18	8/3/18 17:23	PJG
Aroclor-1260 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	8/1/18	8/3/18 17:23	PJG
Aroclor-1262 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	8/1/18	8/3/18 17:23	PJG
Aroclor-1268 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	8/1/18	8/3/18 17:23	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/3/18 17:23	
Decachlorobiphenyl [2]		*	30-150		S-01			8/3/18 17:23	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/3/18 17:23	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/3/18 17:23	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1209

Date Received: 7/27/2018

Field Sample #: B-B.5-4 (0.5-1.5)

Sampled: 7/27/2018 14:16

Sample ID: 18G1209-02

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	110	0.58	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 16:14	MJH



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1209

Date Received: 7/27/2018

Field Sample #: B-B.5-4 (0.5-1.5)

Sampled: 7/27/2018 14:16

Sample ID: 18G1209-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.0		% Wt	1		SM 2540G	8/2/18	8/2/18 17:46	DMP

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1209

Date Received: 7/27/2018

Field Sample #: B-B.5-4 (1.5-2.5)

Sampled: 7/27/2018 14:17

Sample ID: 18G1209-03

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.3	mg/Kg dry	200		SW-846 8082A	8/1/18	8/3/18 17:41	PJG
Aroclor-1221 [1]	ND	4.3	mg/Kg dry	200		SW-846 8082A	8/1/18	8/3/18 17:41	PJG
Aroclor-1232 [1]	ND	4.3	mg/Kg dry	200		SW-846 8082A	8/1/18	8/3/18 17:41	PJG
Aroclor-1242 [1]	ND	4.3	mg/Kg dry	200		SW-846 8082A	8/1/18	8/3/18 17:41	PJG
Aroclor-1248 [1]	ND	4.3	mg/Kg dry	200		SW-846 8082A	8/1/18	8/3/18 17:41	PJG
Aroclor-1254 [1]	46	4.3	mg/Kg dry	200		SW-846 8082A	8/1/18	8/3/18 17:41	PJG
Aroclor-1260 [1]	ND	4.3	mg/Kg dry	200		SW-846 8082A	8/1/18	8/3/18 17:41	PJG
Aroclor-1262 [1]	ND	4.3	mg/Kg dry	200		SW-846 8082A	8/1/18	8/3/18 17:41	PJG
Aroclor-1268 [1]	ND	4.3	mg/Kg dry	200		SW-846 8082A	8/1/18	8/3/18 17:41	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/3/18 17:41	
Decachlorobiphenyl [2]		*	30-150		S-01			8/3/18 17:41	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/3/18 17:41	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/3/18 17:41	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1209

Date Received: 7/27/2018

Field Sample #: B-B.5-4 (1.5-2.5)

Sampled: 7/27/2018 14:17

Sample ID: 18G1209-03

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	120	0.54	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 16:18	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1209

Date Received: 7/27/2018

Field Sample #: B-B.5-4 (1.5-2.5)

Sampled: 7/27/2018 14:17

Sample ID: 18G1209-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.8		% Wt	1		SM 2540G	8/2/18	8/2/18 17:46	DMP

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1209

Date Received: 7/27/2018

Field Sample #: B-B.5-4 (2.5-3.5)

Sampled: 7/27/2018 14:18

Sample ID: 18G1209-04

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 7:58	PJG
Aroclor-1221 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 7:58	PJG
Aroclor-1232 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 7:58	PJG
Aroclor-1242 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 7:58	PJG
Aroclor-1248 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 7:58	PJG
Aroclor-1254 [1]	13	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 7:58	PJG
Aroclor-1260 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 7:58	PJG
Aroclor-1262 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 7:58	PJG
Aroclor-1268 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/1/18	8/4/18 7:58	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/4/18 7:58	
Decachlorobiphenyl [2]		*	30-150		S-01			8/4/18 7:58	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/4/18 7:58	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/4/18 7:58	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1209

Date Received: 7/27/2018

Field Sample #: B-B.5-4 (2.5-3.5)

Sampled: 7/27/2018 14:18

Sample ID: 18G1209-04

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	300	0.55	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 16:22	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1209

Date Received: 7/27/2018

Field Sample #: B-B.5-4 (2.5-3.5)

Sampled: 7/27/2018 14:18

Sample ID: 18G1209-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.1		% Wt	1		SM 2540G	8/2/18	8/2/18 17:46	DMP

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1209

Date Received: 7/27/2018

Field Sample #: B-A-9 (0-0.5)

Sampled: 7/27/2018 14:30

Sample ID: 18G1209-05

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.94	mg/Kg dry	40		SW-846 8082A	8/1/18	8/3/18 18:16	PJG
Aroclor-1221 [1]	ND	0.94	mg/Kg dry	40		SW-846 8082A	8/1/18	8/3/18 18:16	PJG
Aroclor-1232 [1]	ND	0.94	mg/Kg dry	40		SW-846 8082A	8/1/18	8/3/18 18:16	PJG
Aroclor-1242 [1]	ND	0.94	mg/Kg dry	40		SW-846 8082A	8/1/18	8/3/18 18:16	PJG
Aroclor-1248 [1]	ND	0.94	mg/Kg dry	40		SW-846 8082A	8/1/18	8/3/18 18:16	PJG
Aroclor-1254 [1]	4.0	0.94	mg/Kg dry	40		SW-846 8082A	8/1/18	8/3/18 18:16	PJG
Aroclor-1260 [1]	ND	0.94	mg/Kg dry	40		SW-846 8082A	8/1/18	8/3/18 18:16	PJG
Aroclor-1262 [1]	ND	0.94	mg/Kg dry	40		SW-846 8082A	8/1/18	8/3/18 18:16	PJG
Aroclor-1268 [1]	ND	0.94	mg/Kg dry	40		SW-846 8082A	8/1/18	8/3/18 18:16	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/3/18 18:16	
Decachlorobiphenyl [2]		*	30-150		S-01			8/3/18 18:16	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/3/18 18:16	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/3/18 18:16	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1209

Date Received: 7/27/2018

Field Sample #: B-A-9 (0-0.5)

Sampled: 7/27/2018 14:30

Sample ID: 18G1209-05

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	140	0.57	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 16:26	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1209

Date Received: 7/27/2018

Field Sample #: B-A-9 (0-0.5)

Sampled: 7/27/2018 14:30

Sample ID: 18G1209-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.2		% Wt	1		SM 2540G	8/2/18	8/2/18 17:46	DMP

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1209

Date Received: 7/27/2018

Field Sample #: B-A-9 (0.5-1.5)

Sampled: 7/27/2018 14:31

Sample ID: 18G1209-06

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	8/1/18	8/3/18 18:34	PJG
Aroclor-1221 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	8/1/18	8/3/18 18:34	PJG
Aroclor-1232 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	8/1/18	8/3/18 18:34	PJG
Aroclor-1242 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	8/1/18	8/3/18 18:34	PJG
Aroclor-1248 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	8/1/18	8/3/18 18:34	PJG
Aroclor-1254 [1]	3.3	0.86	mg/Kg dry	40		SW-846 8082A	8/1/18	8/3/18 18:34	PJG
Aroclor-1260 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	8/1/18	8/3/18 18:34	PJG
Aroclor-1262 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	8/1/18	8/3/18 18:34	PJG
Aroclor-1268 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	8/1/18	8/3/18 18:34	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/3/18 18:34	
Decachlorobiphenyl [2]		*	30-150		S-01			8/3/18 18:34	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/3/18 18:34	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/3/18 18:34	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1209

Date Received: 7/27/2018

Field Sample #: B-A-9 (0.5-1.5)

Sampled: 7/27/2018 14:31

Sample ID: 18G1209-06

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	61	0.53	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 16:30	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1209

Date Received: 7/27/2018

Field Sample #: B-A-9 (0.5-1.5)

Sampled: 7/27/2018 14:31

Sample ID: 18G1209-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.1		% Wt	1		SM 2540G	8/2/18	8/2/18 17:48	DMP

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1209

Date Received: 7/27/2018

Field Sample #: B-A-9 (1.5-2.5)

Sampled: 7/27/2018 14:32

Sample ID: 18G1209-07

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/1/18	8/3/18 18:52	PJG
Aroclor-1221 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/1/18	8/3/18 18:52	PJG
Aroclor-1232 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/1/18	8/3/18 18:52	PJG
Aroclor-1242 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/1/18	8/3/18 18:52	PJG
Aroclor-1248 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/1/18	8/3/18 18:52	PJG
Aroclor-1254 [1]	2.1	0.44	mg/Kg dry	20		SW-846 8082A	8/1/18	8/3/18 18:52	PJG
Aroclor-1260 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/1/18	8/3/18 18:52	PJG
Aroclor-1262 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/1/18	8/3/18 18:52	PJG
Aroclor-1268 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/1/18	8/3/18 18:52	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		87.2	30-150					8/3/18 18:52	
Decachlorobiphenyl [2]		89.5	30-150					8/3/18 18:52	
Tetrachloro-m-xylene [1]		83.1	30-150					8/3/18 18:52	
Tetrachloro-m-xylene [2]		71.5	30-150					8/3/18 18:52	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1209

Date Received: 7/27/2018

Field Sample #: B-A-9 (1.5-2.5)

Sampled: 7/27/2018 14:32

Sample ID: 18G1209-07

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	310	0.55	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 17:28	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1209

Date Received: 7/27/2018

Field Sample #: B-A-9 (1.5-2.5)

Sampled: 7/27/2018 14:32

Sample ID: 18G1209-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.9		% Wt	1		SM 2540G	8/2/18	8/2/18 17:48	DMP



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1209

Date Received: 7/27/2018

Field Sample #: B-A-9 (2.5-3.5)

Sampled: 7/27/2018 14:33

Sample ID: 18G1209-08

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	8/1/18	8/3/18 19:10	PJG
Aroclor-1221 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	8/1/18	8/3/18 19:10	PJG
Aroclor-1232 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	8/1/18	8/3/18 19:10	PJG
Aroclor-1242 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	8/1/18	8/3/18 19:10	PJG
Aroclor-1248 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	8/1/18	8/3/18 19:10	PJG
Aroclor-1254 [1]	4.3	0.90	mg/Kg dry	40		SW-846 8082A	8/1/18	8/3/18 19:10	PJG
Aroclor-1260 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	8/1/18	8/3/18 19:10	PJG
Aroclor-1262 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	8/1/18	8/3/18 19:10	PJG
Aroclor-1268 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	8/1/18	8/3/18 19:10	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/3/18 19:10	
Decachlorobiphenyl [2]		*	30-150		S-01			8/3/18 19:10	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/3/18 19:10	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/3/18 19:10	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1209

Date Received: 7/27/2018

Field Sample #: B-A-9 (2.5-3.5)

Sampled: 7/27/2018 14:33

Sample ID: 18G1209-08

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	350	0.56	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 17:33	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1209

Date Received: 7/27/2018

Field Sample #: B-A-9 (2.5-3.5)

Sampled: 7/27/2018 14:33

Sample ID: 18G1209-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.3		% Wt	1		SM 2540G	8/2/18	8/2/18 17:48	DMP

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1209

Date Received: 7/27/2018

Field Sample #: B-A-7 (0-0.5)

Sampled: 7/27/2018 14:45

Sample ID: 18G1209-09

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	8/1/18	8/3/18 19:28	PJG
Aroclor-1221 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	8/1/18	8/3/18 19:28	PJG
Aroclor-1232 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	8/1/18	8/3/18 19:28	PJG
Aroclor-1242 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	8/1/18	8/3/18 19:28	PJG
Aroclor-1248 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	8/1/18	8/3/18 19:28	PJG
Aroclor-1254 [1]	2.4	0.49	mg/Kg dry	20		SW-846 8082A	8/1/18	8/3/18 19:28	PJG
Aroclor-1260 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	8/1/18	8/3/18 19:28	PJG
Aroclor-1262 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	8/1/18	8/3/18 19:28	PJG
Aroclor-1268 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	8/1/18	8/3/18 19:28	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		128	30-150					8/3/18 19:28	
Decachlorobiphenyl [2]		105	30-150					8/3/18 19:28	
Tetrachloro-m-xylene [1]		110	30-150					8/3/18 19:28	
Tetrachloro-m-xylene [2]		101	30-150					8/3/18 19:28	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1209

Date Received: 7/27/2018

Field Sample #: B-A-7 (0-0.5)

Sampled: 7/27/2018 14:45

Sample ID: 18G1209-09

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	110	0.59	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 15:33	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1209

Date Received: 7/27/2018

Field Sample #: B-A-7 (0-0.5)

Sampled: 7/27/2018 14:45

Sample ID: 18G1209-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.2		% Wt	1		SM 2540G	8/2/18	8/2/18 17:48	DMP

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1209

Date Received: 7/27/2018

Field Sample #: B-A-7 (0.5-1.5)

Sampled: 7/27/2018 14:46

Sample ID: 18G1209-10

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 14:38	PJG
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 14:38	PJG
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 14:38	PJG
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 14:38	PJG
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 14:38	PJG
Aroclor-1254 [1]	0.20	0.085	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 14:38	PJG
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 14:38	PJG
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 14:38	PJG
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 14:38	PJG
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	108		30-150				8/3/18 14:38		
Decachlorobiphenyl [2]	98.6		30-150				8/3/18 14:38		
Tetrachloro-m-xylene [1]	104		30-150				8/3/18 14:38		
Tetrachloro-m-xylene [2]	91.5		30-150				8/3/18 14:38		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1209

Date Received: 7/27/2018

Field Sample #: B-A-7 (0.5-1.5)

Sampled: 7/27/2018 14:46

Sample ID: 18G1209-10

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	260	0.54	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 18:00	MJH



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1209

Date Received: 7/27/2018

Field Sample #: B-A-7 (0.5-1.5)

Sampled: 7/27/2018 14:46

Sample ID: 18G1209-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.6		% Wt	1		SM 2540G	8/2/18	8/2/18 17:48	DMP

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1209

Date Received: 7/27/2018

Field Sample #: B-A-7 (1.5-2.5)

Sampled: 7/27/2018 14:47

Sample ID: 18G1209-11

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/1/18	8/3/18 19:46	PJG
Aroclor-1221 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/1/18	8/3/18 19:46	PJG
Aroclor-1232 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/1/18	8/3/18 19:46	PJG
Aroclor-1242 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/1/18	8/3/18 19:46	PJG
Aroclor-1248 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/1/18	8/3/18 19:46	PJG
Aroclor-1254 [1]	1.9	0.44	mg/Kg dry	20		SW-846 8082A	8/1/18	8/3/18 19:46	PJG
Aroclor-1260 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/1/18	8/3/18 19:46	PJG
Aroclor-1262 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/1/18	8/3/18 19:46	PJG
Aroclor-1268 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/1/18	8/3/18 19:46	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		96.9	30-150					8/3/18 19:46	
Decachlorobiphenyl [2]		86.5	30-150					8/3/18 19:46	
Tetrachloro-m-xylene [1]		89.5	30-150					8/3/18 19:46	
Tetrachloro-m-xylene [2]		80.8	30-150					8/3/18 19:46	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1209

Date Received: 7/27/2018

Field Sample #: B-A-7 (1.5-2.5)

Sampled: 7/27/2018 14:47

Sample ID: 18G1209-11

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	1200	0.56	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 18:04	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1209

Date Received: 7/27/2018

Field Sample #: B-A-7 (1.5-2.5)

Sampled: 7/27/2018 14:47

Sample ID: 18G1209-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.6		% Wt	1		SM 2540G	8/2/18	8/2/18 17:48	DMP

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1209

Date Received: 7/27/2018

Field Sample #: B-A-7 (2.5-3.5)

Sampled: 7/27/2018 14:48

Sample ID: 18G1209-12

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 15:14	PJG
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 15:14	PJG
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 15:14	PJG
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 15:14	PJG
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 15:14	PJG
Aroclor-1254 [1]	0.57	0.089	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 15:14	PJG
Aroclor-1260 [2]	0.091	0.089	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 15:14	PJG
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 15:14	PJG
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/1/18	8/3/18 15:14	PJG
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	102		30-150				8/3/18 15:14		
Decachlorobiphenyl [2]	100		30-150				8/3/18 15:14		
Tetrachloro-m-xylene [1]	102		30-150				8/3/18 15:14		
Tetrachloro-m-xylene [2]	89.6		30-150				8/3/18 15:14		

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1209

Date Received: 7/27/2018

Field Sample #: B-A-7 (2.5-3.5)

Sampled: 7/27/2018 14:48

Sample ID: 18G1209-12

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	670	0.55	mg/Kg dry	1		SW-846 6010D	8/1/18	8/2/18 18:19	MJH

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1209

Date Received: 7/27/2018

Field Sample #: B-A-7 (2.5-3.5)

Sampled: 7/27/2018 14:48

Sample ID: 18G1209-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.9		% Wt	1		SM 2540G	8/2/18	8/2/18 17:48	DMP

**Sample Extraction Data**

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18G1209-01 [B-B.5-4 (0-0.5)]	B209336	08/02/18
18G1209-02 [B-B.5-4 (0.5-1.5)]	B209336	08/02/18
18G1209-03 [B-B.5-4 (1.5-2.5)]	B209336	08/02/18
18G1209-04 [B-B.5-4 (2.5-3.5)]	B209336	08/02/18
18G1209-05 [B-A-9 (0-0.5)]	B209336	08/02/18
18G1209-06 [B-A-9 (0.5-1.5)]	B209336	08/02/18
18G1209-07 [B-A-9 (1.5-2.5)]	B209336	08/02/18
18G1209-08 [B-A-9 (2.5-3.5)]	B209336	08/02/18
18G1209-09 [B-A-7 (0-0.5)]	B209336	08/02/18
18G1209-10 [B-A-7 (0.5-1.5)]	B209336	08/02/18
18G1209-11 [B-A-7 (1.5-2.5)]	B209336	08/02/18
18G1209-12 [B-A-7 (2.5-3.5)]	B209336	08/02/18

**Prep Method: SW-846 3050B-SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1209-01 [B-B.5-4 (0-0.5)]	B209254	1.47	50.0	08/01/18
18G1209-02 [B-B.5-4 (0.5-1.5)]	B209254	1.48	50.0	08/01/18
18G1209-03 [B-B.5-4 (1.5-2.5)]	B209254	1.49	50.0	08/01/18
18G1209-04 [B-B.5-4 (2.5-3.5)]	B209254	1.54	50.0	08/01/18
18G1209-05 [B-A-9 (0-0.5)]	B209254	1.56	50.0	08/01/18
18G1209-06 [B-A-9 (0.5-1.5)]	B209254	1.51	50.0	08/01/18
18G1209-07 [B-A-9 (1.5-2.5)]	B209254	1.51	50.0	08/01/18
18G1209-08 [B-A-9 (2.5-3.5)]	B209254	1.50	50.0	08/01/18
18G1209-09 [B-A-7 (0-0.5)]	B209254	1.54	50.0	08/01/18
18G1209-10 [B-A-7 (0.5-1.5)]	B209254	1.48	50.0	08/01/18
18G1209-11 [B-A-7 (1.5-2.5)]	B209254	1.46	50.0	08/01/18
18G1209-12 [B-A-7 (2.5-3.5)]	B209254	1.50	50.0	08/01/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1209-01 [B-B.5-4 (0-0.5)]	B209285	10.0	10.0	08/01/18
18G1209-02 [B-B.5-4 (0.5-1.5)]	B209285	10.0	10.0	08/01/18
18G1209-03 [B-B.5-4 (1.5-2.5)]	B209285	10.0	10.0	08/01/18
18G1209-04 [B-B.5-4 (2.5-3.5)]	B209285	10.0	10.0	08/01/18
18G1209-05 [B-A-9 (0-0.5)]	B209285	10.0	10.0	08/01/18
18G1209-06 [B-A-9 (0.5-1.5)]	B209285	10.0	10.0	08/01/18
18G1209-07 [B-A-9 (1.5-2.5)]	B209285	10.0	10.0	08/01/18
18G1209-08 [B-A-9 (2.5-3.5)]	B209285	10.0	10.0	08/01/18
18G1209-09 [B-A-7 (0-0.5)]	B209285	10.0	10.0	08/01/18
18G1209-10 [B-A-7 (0.5-1.5)]	B209285	10.0	10.0	08/01/18
18G1209-11 [B-A-7 (1.5-2.5)]	B209285	10.0	10.0	08/01/18
18G1209-12 [B-A-7 (2.5-3.5)]	B209285	10.0	10.0	08/01/18



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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209285 - SW-846 3540C</b>										
<b>Blank (B209285-BLK1)</b>										
Prepared: 08/01/18 Analyzed: 08/03/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.205		mg/Kg wet	0.200		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.202		mg/Kg wet	0.200		101	30-150			
Surrogate: Tetrachloro-m-xylene	0.184		mg/Kg wet	0.200		91.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.189		mg/Kg wet	0.200		94.3	30-150			
<b>LCS (B209285-BS1)</b>										
Prepared: 08/01/18 Analyzed: 08/03/18										
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		91.6	40-140			
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		90.2	40-140			
Aroclor-1260	0.19	0.020	mg/Kg wet	0.200		95.7	40-140			
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		95.7	40-140			
Surrogate: Decachlorobiphenyl	0.206		mg/Kg wet	0.200		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.205		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene	0.186		mg/Kg wet	0.200		93.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.190		mg/Kg wet	0.200		95.2	30-150			
<b>LCS Dup (B209285-BSD1)</b>										
Prepared: 08/01/18 Analyzed: 08/03/18										
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		91.4	40-140	0.264	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		90.7	40-140	0.627	30	
Aroclor-1260	0.19	0.020	mg/Kg wet	0.200		94.4	40-140	1.39	30	
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		94.4	40-140	1.38	30	
Surrogate: Decachlorobiphenyl	0.197		mg/Kg wet	0.200		98.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.196		mg/Kg wet	0.200		97.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.180		mg/Kg wet	0.200		90.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.185		mg/Kg wet	0.200		92.4	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209285 - SW-846 3540C</b>										
<b>Matrix Spike (B209285-MS1)</b>		<b>Source: 18G1209-01</b>								
										Prepared: 08/01/18 Analyzed: 08/03/18
<b>Aroclor-1016</b>	0.64	1.0	mg/Kg dry	0.260	ND	<b>248</b>	* 40-140			MS-21
<b>Aroclor-1016 [2C]</b>	1.3	1.0	mg/Kg dry	0.260	ND	<b>482</b>	* 40-140			MS-21
<b>Aroclor-1260</b>	2.3	1.0	mg/Kg dry	0.260	ND	<b>900</b>	* 40-140			MS-21
<b>Aroclor-1260 [2C]</b>	2.0	1.0	mg/Kg dry	0.260	ND	<b>774</b>	* 40-140			MS-21
Surrogate: Decachlorobiphenyl	0.360		mg/Kg dry	0.260		139	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.307		mg/Kg dry	0.260		118	30-150			
Surrogate: Tetrachloro-m-xylene	0.291		mg/Kg dry	0.260		112	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.263		mg/Kg dry	0.260		101	30-150			
<b>Matrix Spike Dup (B209285-MSD1)</b>		<b>Source: 18G1209-01</b>								
										Prepared: 08/01/18 Analyzed: 08/03/18
<b>Aroclor-1016</b>	0.72	1.0	mg/Kg dry	0.260	ND	<b>275</b>	* 40-140	10.4	50	MS-21
<b>Aroclor-1016 [2C]</b>	1.6	1.0	mg/Kg dry	0.260	ND	<b>616</b>	* 40-140	24.4	50	MS-21
<b>Aroclor-1260</b>	2.8	1.0	mg/Kg dry	0.260	ND	<b>1070</b>	* 40-140	17.0	50	MS-21
<b>Aroclor-1260 [2C]</b>	2.4	1.0	mg/Kg dry	0.260	ND	<b>928</b>	* 40-140	18.1	50	MS-21
Surrogate: Decachlorobiphenyl	0.337		mg/Kg dry	0.260		130	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.290		mg/Kg dry	0.260		112	30-150			
Surrogate: Tetrachloro-m-xylene	0.260		mg/Kg dry	0.260		100	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.234		mg/Kg dry	0.260		90.1	30-150			

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**QUALITY CONTROL**

**Metals Analyses (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209254 - SW-846 3050B</b>										
<b>Blank (B209254-BLK1)</b> Prepared: 08/01/18 Analyzed: 08/02/18										
Lead	ND	0.50	mg/Kg wet							
<b>LCS (B209254-BS1)</b> Prepared: 08/01/18 Analyzed: 08/02/18										
Lead	105	1.5	mg/Kg wet	111		95.0	83-117.1			
<b>LCS Dup (B209254-BSD1)</b> Prepared: 08/01/18 Analyzed: 08/02/18										
Lead	114	1.5	mg/Kg wet	111		103	83-117.1	7.87	30	
<b>Duplicate (B209254-DUP1)</b> <b>Source: 18G1209-09</b> Prepared: 08/01/18 Analyzed: 08/02/18										
Lead	96.7	0.59	mg/Kg dry		110			13.1	35	
<b>MRL Check (B209254-MRL1)</b> Prepared: 08/01/18 Analyzed: 08/02/18										
Lead	0.515	0.50	mg/Kg wet	0.495		104	80-120			
<b>Matrix Spike (B209254-MS1)</b> <b>Source: 18G1209-09</b> Prepared: 08/01/18 Analyzed: 08/02/18										
Lead	125	0.59	mg/Kg dry	19.6	110	76.9	75-125			

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**QUALITY CONTROL**

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209336 - % Solids</b>										
<b>Duplicate (B209336-DUP6)</b>	<b>Source: 18G1209-01</b>			Prepared & Analyzed: 08/02/18						
% Solids	78.0		% Wt		77.0			1.35	20	
<b>Duplicate (B209336-DUP7)</b>	<b>Source: 18G1209-11</b>			Prepared & Analyzed: 08/02/18						
% Solids	90.5		% Wt		91.6			1.20	20	

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-B.5-4 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1209-01 Date(s) Analyzed: 08/03/2018 08/03/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	7.8	
	2	0.000	-0.030	0.030	7.7	1.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-B.5-4 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1209-02 Date(s) Analyzed: 08/03/2018 08/03/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	27	
	2	0.000	-0.030	0.030	26	3.8

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-B.5-4 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1209-03 Date(s) Analyzed: 08/03/2018 08/03/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	46	
	2	0.000	-0.030	0.030	45	4.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-B.5-4 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1209-04 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	13	
	2	0.000	-0.030	0.030	12	8.0



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-A-9 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1209-05 Date(s) Analyzed: 08/03/2018 08/03/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	4.0	
	2	0.000	-0.030	0.030	3.8	5.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-A-9 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1209-06 Date(s) Analyzed: 08/03/2018 08/03/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	3.3	
	2	0.000	-0.030	0.030	3.2	3.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-A-9 (1.5-2.5)**

Lab Sample ID: 18G1209-07 Date(s) Analyzed: 08/03/2018 08/03/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.1	
	2	0.000	-0.030	0.030	2.0	4.9

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-A-9 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1209-08 Date(s) Analyzed: 08/03/2018 08/03/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	4.3	
	2	0.000	-0.030	0.030	4.2	2.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-A-7 (0-0.5)**

*SW-846 8082A*

Lab Sample ID: 18G1209-09 Date(s) Analyzed: 08/03/2018 08/03/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.4	
	2	0.000	-0.030	0.030	2.2	8.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-A-7 (0.5-1.5)**

*SW-846 8082A*

Lab Sample ID: 18G1209-10 Date(s) Analyzed: 08/03/2018 08/03/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.20	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-A-7 (1.5-2.5)**

*SW-846 8082A*

Lab Sample ID: 18G1209-11 Date(s) Analyzed: 08/03/2018 08/03/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.9	
	2	0.000	-0.030	0.030	1.9	5.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-A-7 (2.5-3.5)**

*SW-846 8082A*

Lab Sample ID: 18G1209-12 Date(s) Analyzed: 08/03/2018 08/03/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.57	
	2	0.000	-0.030	0.030	0.52	9.2



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

<b>LCS</b>
------------

*SW-846 8082A*

Lab Sample ID:                   B209285-BS1                                        Date(s) Analyzed:           08/03/2018                     08/03/2018          

Instrument ID (1):                   ECD3                                        Instrument ID (2):                   ECD3                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.18	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.19	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

<b>LCS Dup</b>
----------------

Lab Sample ID:                     B209285-BSD1                                          Date(s) Analyzed:           08/03/2018                     08/03/2018          

Instrument ID (1):                     ECD3                                          Instrument ID (2):                     ECD3                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.18	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.19	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike**

*SW-846 8082A*

Lab Sample ID:                   B209285-MS1                                        Date(s) Analyzed:           08/03/2018                     08/03/2018          

Instrument ID (1):                   ECD1                                        Instrument ID (2):                   ECD1                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.64	
	2	0.000	-0.030	0.030	1.3	68.0
Aroclor-1260	1	0.000	-0.030	0.030	2.3	
	2	0.000	-0.030	0.030	2.0	14.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike Dup**

*SW-846 8082A*

Lab Sample ID:                   B209285-MSD1                                        Date(s) Analyzed:           08/03/2018                     08/03/2018          

Instrument ID (1):                   ECD1                                        Instrument ID (2):                   ECD1                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.72	
	2	0.000	-0.030	0.030	1.6	75.9
Aroclor-1260	1	0.000	-0.030	0.030	2.8	
	2	0.000	-0.030	0.030	2.4	15.4

---

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**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<b>SW-846 6010D in Soil</b>	
Lead	CT,NH,NY,AIHA,ME,VA,NC
<b>SW-846 8082A in Soil</b>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019











**con-test**  
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False**

Client Weston + Sampson  
 Received By RTP Date 7/27/18 Time 1945  
 How were the samples received? In Cooler T No Cooler \_\_\_\_\_ On Ice T No Ice \_\_\_\_\_  
 Direct from Sampling \_\_\_\_\_ Ambient \_\_\_\_\_ Melted Ice \_\_\_\_\_  
 Were samples within Temperature? 2-6°C T By Gun # 8 Actual Temp - 2.8, 4.6/3.3  
 By Blank # \_\_\_\_\_ Actual Temp - \_\_\_\_\_  
 Was Custody Seal Intact? NA Were Samples Tampered with? NA  
 Was COC Relinquished? T Does Chain Agree With Samples? T  
 Are there broken/leaking/loose caps on any samples? \_\_\_\_\_  
 Is COC in ink/ Legible? T Were samples received within holding time? T  
 Did COC include all pertinent Information? Client T Analysis T Sampler Name F  
 Project T ID's T Collection Dates/Times T  
 Are Sample labels filled out and legible? T  
 Are there Lab to Filters? F Who was notified? \_\_\_\_\_  
 Are there Rushes? F Who was notified? \_\_\_\_\_  
 Are there Short Holds? F Who was notified? \_\_\_\_\_  
 Is there enough Volume? T  
 Is there Headspace where applicable? F MS/MSD? F  
 Proper Media/Containers Used? T Is splitting samples required? F  
 Were trip blanks received? F On COC? F  
 Do all samples have the proper pH? NA Acid \_\_\_\_\_ Base \_\_\_\_\_

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

**Unused Media**

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

**Comments:**

Samples were received in 3 coolers.



August 15, 2018

Taylor Smith  
Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960

Project Location: Conway Park., Somerville, MA  
Client Job Number:  
Project Number: [none]  
Laboratory Work Order Number: 18G1210

Enclosed are results of analyses for samples received by the laboratory on July 27, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley  
Project Manager

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Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 8/15/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1210

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-E-11 (3.5-5.5)	18G1210-01	Soil		-	
B-E-11 (5.5-7.5)	18G1210-02	Soil		-	
B-E-11 (7.5-9.5)	18G1210-03	Soil		-	
B-E-11 (9.5-11.5)	18G1210-04	Soil		-	
B-E-11 (11.5-13.5)	18G1210-05	Soil		-	
B-C-11 (3.5-5.5)	18G1210-06	Soil		-	
B-C-11 (5.5-7.5)	18G1210-07	Soil		-	
B-C-11 (7.5-9.5)	18G1210-08	Soil		-	
B-C-11 (9.5-11.5)	18G1210-09	Soil		-	
B-C-9 (3.5-5.5)	18G1210-10	Soil		-	
B-C-9 (5.5-7.5)	18G1210-11	Soil		-	
B-C-9 (7.5-9.5)	18G1210-12	Soil		-	
B-C-9 (9.5-11.5)	18G1210-13	Soil		-	
B-C-9 (11.5-13.5)	18G1210-14	Soil		-	
B-C-7 (3.5-5.5)	18G1210-15	Soil		-	
B-C-7 (5.5-7.5)	18G1210-16	Soil		-	
B-C-7 (7.5-9.5)	18G1210-17	Soil		-	
B-C-7 (9.5-11.5)	18G1210-18	Soil		-	
B-C-5 (3.5-5.5)	18G1210-19	Soil		SM 2540G SW-846 8082A	
B-C-5 (5.5-7.5)	18G1210-20	Soil		SM 2540G SW-846 8082A	
B-C-5 (7.5-9.5)	18G1210-21	Soil		-	
B-C-5 (9.5-11.5)	18G1210-22	Soil		-	
B-C-5 (11.5-13.5)	18G1210-23	Soil		-	
B-C-4.5 (3.5-5.5)	18G1210-24	Soil		SM 2540G SW-846 8082A	
B-C-4.5 (5.5-7.5)	18G1210-25	Soil		SM 2540G SW-846 8082A	
B-C-4.5 (7.5-9.5)	18G1210-26	Soil		-	
B-C-4.5 (9.5-11.5)	18G1210-27	Soil		-	
B-C-4.5 (11.5-13.5)	18G1210-28	Soil		-	
B-C-4 (3.5-5.5)	18G1210-29	Soil		SM 2540G SW-846 8082A	
B-C-4 (5.5-7.5)	18G1210-30	Soil		SM 2540G SW-846 8082A	
B-C-4 (7.5-9.5)	18G1210-31	Soil		-	
B-C-4 (9.5-11.5)	18G1210-32	Soil		-	
B-C-9 (11.5-13.5)	18G1210-33	Soil		-	
B-C-3.5 (3.5-5.5)	18G1210-34	Soil		SM 2540G SW-846 8082A	

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 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 8/15/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1210

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-C-3.5 (5.5-7.5)	18G1210-35	Soil		SM 2540G SW-846 8082A	
B-C-3.5 (7.5-9.5)	18G1210-36	Soil		-	
B-C-3.5 (9.5-11.5)	18G1210-37	Soil		-	
B-C-3.5 (11.5-13.5)	18G1210-38	Soil		-	
B-C-3 (3.5-5.5)	18G1210-39	Soil		SM 2540G SW-846 8082A	
B-C-3 (5.5-7.5)	18G1210-40	Soil		SM 2540G SW-846 8082A	
B-C-3 (7.5-9.5)	18G1210-41	Soil		-	
B-C-3 (9.5-11.5)	18G1210-42	Soil		-	
B-C-2 (3.5-5.5)	18G1210-43	Soil		SM 2540G SW-846 8082A	
B-C-2 (5.5-7.5)	18G1210-44	Soil		SM 2540G SW-846 8082A	
B-C-2 (7.5-9.5)	18G1210-45	Soil		-	
B-C-2 (9.5-11.5)	18G1210-46	Soil		-	
B-C-2 (11.5-13.5)	18G1210-47	Soil		-	
B-D-2 (3.5-5.5)	18G1210-48	Soil		SM 2540G SW-846 8082A	
B-D-2 (5.5-7.5)	18G1210-49	Soil		SM 2540G SW-846 8082A	
B-D-2 (7.5-9.5)	18G1210-50	Soil		-	
B-D-2 (9.5-11.5)	18G1210-51	Soil		-	
B-D-3 (3.5-5.5)	18G1210-52	Soil		SM 2540G SW-846 8082A	
B-D-3 (5.5-7.5)	18G1210-53	Soil		SM 2540G SW-846 8082A	
B-D-3 (7.5-9.5)	18G1210-54	Soil		-	
B-D-3 (9.-11.5)	18G1210-55	Soil		-	
B-D-4 (3.5-5.5)	18G1210-56	Soil		SM 2540G SW-846 8082A	
B-D-4 (5.5-7.5)	18G1210-57	Soil		SM 2540G SW-846 8082A	
B-D-4 (7.5-9.5)	18G1210-58	Soil		-	
B-D-4 (9.5-11.5)	18G1210-59	Soil		-	
B-D-5 (3.5-5.5)	18G1210-60	Soil		SM 2540G SW-846 8082A	
B-D-5 (5.5-7.5)	18G1210-61	Soil		SM 2540G SW-846 8082A	

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REPORT DATE: 8/15/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1210

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-D-5 (7.5-9.5)	18G1210-62	Soil		- SM 2540G	
B-D-5 (9.5-11.5)	18G1210-63	Soil		- SM 2540G	
B-C.5-4 (3.5-5.5)	18G1210-64	Soil		SM 2540G SW-846 8082A	
B-C.5-4 (5.5-7.5)	18G1210-65	Soil		SM 2540G SW-846 8082A	
B-C.5-4 (7.5-9.5)	18G1210-66	Soil		- SM 2540G	
B-C.5-4 (9.5-11.5)	18G1210-67	Soil		- SM 2540G	
B-C.5-4 (11.5-13.5)	18G1210-68	Soil		- SM 2540G	
B-B-2 (3.5-5.5)	18G1210-69	Soil		- SM 2540G	
B-B-2 (5.5-7.5)	18G1210-70	Soil		- SM 2540G	
B-B-2 (7.5-9.5)	18G1210-71	Soil		- SM 2540G	
B-B-2 (9.5-11.5)	18G1210-72	Soil		- SM 2540G	
B-B-2 (11.5-13.5)	18G1210-73	Soil		- SM 2540G	
B-B-2 (13.5-15.5)	18G1210-74	Soil		- SM 2540G	
B-B-3 (3.5-5.5)	18G1210-75	Soil		- SM 2540G	
B-B-3 (5.5-7.5)	18G1210-76	Soil		- SM 2540G	
B-B-3 (7.5-9.5)	18G1210-77	Soil		- SM 2540G	
B-B-3 (9.5-11.5)	18G1210-78	Soil		- SM 2540G	
B-B-3 (11.5-13.5)	18G1210-79	Soil		- SM 2540G	
B-B-4 (3.5-5.5)	18G1210-80	Soil		SM 2540G SW-846 8082A	
B-B-4 (5.5-7.5)	18G1210-81	Soil		SM 2540G SW-846 8082A	

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REPORT DATE: 8/15/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1210

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-B-4 (7.5-9.5)	18G1210-82	Soil		- SM 2540G	
B-B-4 (9.5-11.5)	18G1210-83	Soil		- SM 2540G	
B-B-5 (3.5-5.5)	18G1210-84	Soil		SM 2540G SW-846 8082A	
B-B-5 (5.5-7.5)	18G1210-85	Soil		SM 2540G SW-846 8082A	
B-B-5 (7.5-9.5)	18G1210-86	Soil		- SM 2540G	
B-B-5 (9.5-11.5)	18G1210-87	Soil		- SM 2540G	
B-B.5-4 (3.5-5.5)	18G1210-88	Soil		- SM 2540G	
B-B.5-4 (5.5-7.5)	18G1210-89	Soil		- SM 2540G	
B-B.5-4 (7.5-9.5)	18G1210-90	Soil		- SM 2540G	
B-B.5-4 (9.5-11.5)	18G1210-91	Soil		- SM 2540G	
B-A-9 (3.5-5.5)	18G1210-92	Soil		- SM 2540G	
B-A-9 (5.5-7.5)	18G1210-93	Soil		- SM 2540G	
B-A-9 (7.5-9.5)	18G1210-94	Soil		- SM 2540G	
B-A-9 (9.5-11.5)	18G1210-95	Soil		- SM 2540G	
B-A-9 (11.5-13.5)	18G1210-96	Soil		- SM 2540G	
B-A-7 (3.5-5.5)	18G1210-97	Soil		- SM 2540G	
B-A-7 (5.5-7.5)	18G1210-98	Soil		- SM 2540G	
B-A-7 (7.5-9.5)	18G1210-99	Soil		- SM 2540G	
B-A-7 (9.5-11.5)	18G1210-AA	Soil		- SM 2540G	
B-A-7 (11.5-13.5)	18G1210-AB	Soil		- SM 2540G	

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ATTN: Taylor Smith

REPORT DATE: 8/15/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

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WORK ORDER NUMBER: 18G1210

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-A-7 (13.5-15.5)	18G1210-AC	Soil		- SM 2540G	

## CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082A

**Qualifications:****O-32**

A dilution was performed as part of the standard analytical procedure.

**Analyte & Samples(s) Qualified:**

18G1210-44[B-C-2 (5.5-7.5)], 18G1210-85[B-B-5 (5.5-7.5)]

**S-01**

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**Analyte & Samples(s) Qualified:****Decachlorobiphenyl**

18G1210-20[B-C-5 (5.5-7.5)], 18G1210-24[B-C-4.5 (3.5-5.5)], 18G1210-25[B-C-4.5 (5.5-7.5)], 18G1210-29[B-C-4 (3.5-5.5)], 18G1210-30[B-C-4 (5.5-7.5)], 18G1210-34[B-C-3.5 (3.5-5.5)], 18G1210-35[B-C-3.5 (5.5-7.5)], 18G1210-39[B-C-3 (3.5-5.5)], 18G1210-48[B-D-2 (3.5-5.5)], 18G1210-49[B-D-2 (5.5-7.5)], 18G1210-56[B-D-4 (3.5-5.5)], 18G1210-57[B-D-4 (5.5-7.5)], 18G1210-60[B-D-5 (3.5-5.5)], 18G1210-61[B-D-5 (5.5-7.5)]

**Decachlorobiphenyl [2C]**

18G1210-20[B-C-5 (5.5-7.5)], 18G1210-24[B-C-4.5 (3.5-5.5)], 18G1210-25[B-C-4.5 (5.5-7.5)], 18G1210-29[B-C-4 (3.5-5.5)], 18G1210-30[B-C-4 (5.5-7.5)], 18G1210-34[B-C-3.5 (3.5-5.5)], 18G1210-35[B-C-3.5 (5.5-7.5)], 18G1210-39[B-C-3 (3.5-5.5)], 18G1210-48[B-D-2 (3.5-5.5)], 18G1210-49[B-D-2 (5.5-7.5)], 18G1210-56[B-D-4 (3.5-5.5)], 18G1210-57[B-D-4 (5.5-7.5)], 18G1210-60[B-D-5 (3.5-5.5)], 18G1210-61[B-D-5 (5.5-7.5)]

**Tetrachloro-m-xylene**

18G1210-20[B-C-5 (5.5-7.5)], 18G1210-24[B-C-4.5 (3.5-5.5)], 18G1210-25[B-C-4.5 (5.5-7.5)], 18G1210-29[B-C-4 (3.5-5.5)], 18G1210-30[B-C-4 (5.5-7.5)], 18G1210-34[B-C-3.5 (3.5-5.5)], 18G1210-35[B-C-3.5 (5.5-7.5)], 18G1210-39[B-C-3 (3.5-5.5)], 18G1210-48[B-D-2 (3.5-5.5)], 18G1210-49[B-D-2 (5.5-7.5)], 18G1210-56[B-D-4 (3.5-5.5)], 18G1210-57[B-D-4 (5.5-7.5)], 18G1210-60[B-D-5 (3.5-5.5)], 18G1210-61[B-D-5 (5.5-7.5)]

**Tetrachloro-m-xylene [2C]**

18G1210-20[B-C-5 (5.5-7.5)], 18G1210-24[B-C-4.5 (3.5-5.5)], 18G1210-25[B-C-4.5 (5.5-7.5)], 18G1210-29[B-C-4 (3.5-5.5)], 18G1210-30[B-C-4 (5.5-7.5)], 18G1210-34[B-C-3.5 (3.5-5.5)], 18G1210-35[B-C-3.5 (5.5-7.5)], 18G1210-39[B-C-3 (3.5-5.5)], 18G1210-48[B-D-2 (3.5-5.5)], 18G1210-49[B-D-2 (5.5-7.5)], 18G1210-56[B-D-4 (3.5-5.5)], 18G1210-57[B-D-4 (5.5-7.5)], 18G1210-60[B-D-5 (3.5-5.5)], 18G1210-61[B-D-5 (5.5-7.5)]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington  
Project Manager

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-5 (3.5-5.5)

Sampled: 7/27/2018 10:19

Sample ID: 18G1210-19

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 10:30	JMB
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 10:30	JMB
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 10:30	JMB
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 10:30	JMB
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 10:30	JMB
Aroclor-1254 [2]	0.44	0.085	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 10:30	JMB
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 10:30	JMB
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 10:30	JMB
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 10:30	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		85.4	30-150					8/14/18 10:30	
Decachlorobiphenyl [2]		102	30-150					8/14/18 10:30	
Tetrachloro-m-xylene [1]		82.3	30-150					8/14/18 10:30	
Tetrachloro-m-xylene [2]		78.3	30-150					8/14/18 10:30	

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-5 (3.5-5.5)

Sampled: 7/27/2018 10:19

Sample ID: 18G1210-19

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.5		% Wt	1		SM 2540G	8/10/18	8/10/18 18:37	MAT



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-5 (5.5-7.5)

Sampled: 7/27/2018 10:20

Sample ID: 18G1210-20

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 10:48	JMB
Aroclor-1221 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 10:48	JMB
Aroclor-1232 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 10:48	JMB
Aroclor-1242 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 10:48	JMB
Aroclor-1248 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 10:48	JMB
Aroclor-1254 [2]	13	1.9	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 10:48	JMB
Aroclor-1260 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 10:48	JMB
Aroclor-1262 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 10:48	JMB
Aroclor-1268 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 10:48	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/14/18 10:48	
Decachlorobiphenyl [2]		*	30-150		S-01			8/14/18 10:48	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/14/18 10:48	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/14/18 10:48	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-5 (5.5-7.5)

Sampled: 7/27/2018 10:20

Sample ID: 18G1210-20

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.3		% Wt	1		SM 2540G	8/10/18	8/10/18 18:37	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-4.5 (3.5-5.5)

Sampled: 7/27/2018 10:34

Sample ID: 18G1210-24

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	230	mg/Kg dry	10000		SW-846 8082A	8/7/18	8/14/18 11:06	JMB
Aroclor-1221 [1]	ND	230	mg/Kg dry	10000		SW-846 8082A	8/7/18	8/14/18 11:06	JMB
Aroclor-1232 [1]	ND	230	mg/Kg dry	10000		SW-846 8082A	8/7/18	8/14/18 11:06	JMB
Aroclor-1242 [1]	ND	230	mg/Kg dry	10000		SW-846 8082A	8/7/18	8/14/18 11:06	JMB
Aroclor-1248 [1]	ND	230	mg/Kg dry	10000		SW-846 8082A	8/7/18	8/14/18 11:06	JMB
Aroclor-1254 [2]	2100	230	mg/Kg dry	10000		SW-846 8082A	8/7/18	8/14/18 11:06	JMB
Aroclor-1260 [1]	ND	230	mg/Kg dry	10000		SW-846 8082A	8/7/18	8/14/18 11:06	JMB
Aroclor-1262 [1]	ND	230	mg/Kg dry	10000		SW-846 8082A	8/7/18	8/14/18 11:06	JMB
Aroclor-1268 [1]	ND	230	mg/Kg dry	10000		SW-846 8082A	8/7/18	8/14/18 11:06	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/14/18 11:06	
Decachlorobiphenyl [2]		*	30-150		S-01			8/14/18 11:06	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/14/18 11:06	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/14/18 11:06	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-4.5 (3.5-5.5)

Sampled: 7/27/2018 10:34

Sample ID: 18G1210-24

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.4		% Wt	1		SM 2540G	8/10/18	8/10/18 18:37	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-4.5 (5.5-7.5)

Sampled: 7/27/2018 10:35

Sample ID: 18G1210-25

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	8/7/18	8/14/18 11:23	JMB
Aroclor-1221 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	8/7/18	8/14/18 11:23	JMB
Aroclor-1232 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	8/7/18	8/14/18 11:23	JMB
Aroclor-1242 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	8/7/18	8/14/18 11:23	JMB
Aroclor-1248 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	8/7/18	8/14/18 11:23	JMB
Aroclor-1254 [2]	15	2.3	mg/Kg dry	100		SW-846 8082A	8/7/18	8/14/18 11:23	JMB
Aroclor-1260 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	8/7/18	8/14/18 11:23	JMB
Aroclor-1262 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	8/7/18	8/14/18 11:23	JMB
Aroclor-1268 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	8/7/18	8/14/18 11:23	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/14/18 11:23	
Decachlorobiphenyl [2]		*	30-150		S-01			8/14/18 11:23	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/14/18 11:23	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/14/18 11:23	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-4.5 (5.5-7.5)

Sampled: 7/27/2018 10:35

Sample ID: 18G1210-25

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.2		% Wt	1		SM 2540G	8/10/18	8/10/18 18:37	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-4 (3.5-5.5)

Sampled: 7/27/2018 10:54

Sample ID: 18G1210-29

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	93	mg/Kg dry	4000		SW-846 8082A	8/7/18	8/14/18 11:41	JMB
Aroclor-1221 [1]	ND	93	mg/Kg dry	4000		SW-846 8082A	8/7/18	8/14/18 11:41	JMB
Aroclor-1232 [1]	ND	93	mg/Kg dry	4000		SW-846 8082A	8/7/18	8/14/18 11:41	JMB
Aroclor-1242 [1]	ND	93	mg/Kg dry	4000		SW-846 8082A	8/7/18	8/14/18 11:41	JMB
Aroclor-1248 [1]	ND	93	mg/Kg dry	4000		SW-846 8082A	8/7/18	8/14/18 11:41	JMB
Aroclor-1254 [2]	880	93	mg/Kg dry	4000		SW-846 8082A	8/7/18	8/14/18 11:41	JMB
Aroclor-1260 [1]	ND	93	mg/Kg dry	4000		SW-846 8082A	8/7/18	8/14/18 11:41	JMB
Aroclor-1262 [1]	ND	93	mg/Kg dry	4000		SW-846 8082A	8/7/18	8/14/18 11:41	JMB
Aroclor-1268 [1]	ND	93	mg/Kg dry	4000		SW-846 8082A	8/7/18	8/14/18 11:41	JMB
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	*	30-150			S-01			8/14/18 11:41	
Decachlorobiphenyl [2]	*	30-150			S-01			8/14/18 11:41	
Tetrachloro-m-xylene [1]	*	30-150			S-01			8/14/18 11:41	
Tetrachloro-m-xylene [2]	*	30-150			S-01			8/14/18 11:41	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-4 (3.5-5.5)

Sampled: 7/27/2018 10:54

Sample ID: 18G1210-29

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.0		% Wt	1		SM 2540G	8/10/18	8/10/18 18:37	MAT



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-4 (5.5-7.5)

Sampled: 7/27/2018 10:55

Sample ID: 18G1210-30

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	8/7/18	8/14/18 11:59	JMB
Aroclor-1221 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	8/7/18	8/14/18 11:59	JMB
Aroclor-1232 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	8/7/18	8/14/18 11:59	JMB
Aroclor-1242 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	8/7/18	8/14/18 11:59	JMB
Aroclor-1248 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	8/7/18	8/14/18 11:59	JMB
Aroclor-1254 [2]	30	4.6	mg/Kg dry	200		SW-846 8082A	8/7/18	8/14/18 11:59	JMB
Aroclor-1260 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	8/7/18	8/14/18 11:59	JMB
Aroclor-1262 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	8/7/18	8/14/18 11:59	JMB
Aroclor-1268 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	8/7/18	8/14/18 11:59	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/14/18 11:59	
Decachlorobiphenyl [2]		*	30-150		S-01			8/14/18 11:59	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/14/18 11:59	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/14/18 11:59	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-4 (5.5-7.5)

Sampled: 7/27/2018 10:55

Sample ID: 18G1210-30

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.3		% Wt	1		SM 2540G	8/10/18	8/10/18 18:37	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-3.5 (3.5-5.5)

Sampled: 7/27/2018 11:09

Sample ID: 18G1210-34

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	230	mg/Kg dry	10000		SW-846 8082A	8/7/18	8/14/18 12:16	JMB
Aroclor-1221 [1]	ND	230	mg/Kg dry	10000		SW-846 8082A	8/7/18	8/14/18 12:16	JMB
Aroclor-1232 [1]	ND	230	mg/Kg dry	10000		SW-846 8082A	8/7/18	8/14/18 12:16	JMB
Aroclor-1242 [1]	ND	230	mg/Kg dry	10000		SW-846 8082A	8/7/18	8/14/18 12:16	JMB
Aroclor-1248 [1]	ND	230	mg/Kg dry	10000		SW-846 8082A	8/7/18	8/14/18 12:16	JMB
Aroclor-1254 [2]	1900	230	mg/Kg dry	10000		SW-846 8082A	8/7/18	8/14/18 12:16	JMB
Aroclor-1260 [1]	ND	230	mg/Kg dry	10000		SW-846 8082A	8/7/18	8/14/18 12:16	JMB
Aroclor-1262 [1]	ND	230	mg/Kg dry	10000		SW-846 8082A	8/7/18	8/14/18 12:16	JMB
Aroclor-1268 [1]	ND	230	mg/Kg dry	10000		SW-846 8082A	8/7/18	8/14/18 12:16	JMB
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	*	30-150			S-01			8/14/18 12:16	
Decachlorobiphenyl [2]	*	30-150			S-01			8/14/18 12:16	
Tetrachloro-m-xylene [1]	*	30-150			S-01			8/14/18 12:16	
Tetrachloro-m-xylene [2]	*	30-150			S-01			8/14/18 12:16	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-3.5 (3.5-5.5)

Sampled: 7/27/2018 11:09

Sample ID: 18G1210-34

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.0		% Wt	1		SM 2540G	8/10/18	8/10/18 18:37	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-3.5 (5.5-7.5)

Sampled: 7/27/2018 11:10

Sample ID: 18G1210-35

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	370	mg/Kg dry	16000		SW-846 8082A	8/7/18	8/14/18 12:34	JMB
Aroclor-1221 [1]	ND	370	mg/Kg dry	16000		SW-846 8082A	8/7/18	8/14/18 12:34	JMB
Aroclor-1232 [1]	ND	370	mg/Kg dry	16000		SW-846 8082A	8/7/18	8/14/18 12:34	JMB
Aroclor-1242 [1]	ND	370	mg/Kg dry	16000		SW-846 8082A	8/7/18	8/14/18 12:34	JMB
Aroclor-1248 [1]	ND	370	mg/Kg dry	16000		SW-846 8082A	8/7/18	8/14/18 12:34	JMB
Aroclor-1254 [2]	2600	370	mg/Kg dry	16000		SW-846 8082A	8/7/18	8/14/18 12:34	JMB
Aroclor-1260 [1]	ND	370	mg/Kg dry	16000		SW-846 8082A	8/7/18	8/14/18 12:34	JMB
Aroclor-1262 [1]	ND	370	mg/Kg dry	16000		SW-846 8082A	8/7/18	8/14/18 12:34	JMB
Aroclor-1268 [1]	ND	370	mg/Kg dry	16000		SW-846 8082A	8/7/18	8/14/18 12:34	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/14/18 12:34	
Decachlorobiphenyl [2]		*	30-150		S-01			8/14/18 12:34	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/14/18 12:34	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/14/18 12:34	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-3.5 (5.5-7.5)

Sampled: 7/27/2018 11:10

Sample ID: 18G1210-35

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.4		% Wt	1		SM 2540G	8/10/18	8/10/18 18:37	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-3 (3.5-5.5)

Sampled: 7/27/2018 11:19

Sample ID: 18G1210-39

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 12:52	JMB
Aroclor-1221 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 12:52	JMB
Aroclor-1232 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 12:52	JMB
Aroclor-1242 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 12:52	JMB
Aroclor-1248 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 12:52	JMB
Aroclor-1254 [2]	5.2	1.8	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 12:52	JMB
Aroclor-1260 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 12:52	JMB
Aroclor-1262 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 12:52	JMB
Aroclor-1268 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 12:52	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/14/18 12:52	
Decachlorobiphenyl [2]		*	30-150		S-01			8/14/18 12:52	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/14/18 12:52	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/14/18 12:52	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-3 (3.5-5.5)

Sampled: 7/27/2018 11:19

Sample ID: 18G1210-39

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.0		% Wt	1		SM 2540G	8/10/18	8/10/18 18:37	MAT



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-3 (5.5-7.5)

Sampled: 7/27/2018 11:20

Sample ID: 18G1210-40

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/7/18	8/14/18 21:21	JMB
Aroclor-1221 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/7/18	8/14/18 21:21	JMB
Aroclor-1232 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/7/18	8/14/18 21:21	JMB
Aroclor-1242 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/7/18	8/14/18 21:21	JMB
Aroclor-1248 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/7/18	8/14/18 21:21	JMB
Aroclor-1254 [1]	2.3	0.46	mg/Kg dry	20		SW-846 8082A	8/7/18	8/14/18 21:21	JMB
Aroclor-1260 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/7/18	8/14/18 21:21	JMB
Aroclor-1262 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/7/18	8/14/18 21:21	JMB
Aroclor-1268 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/7/18	8/14/18 21:21	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		82.8	30-150					8/14/18 21:21	
Decachlorobiphenyl [2]		90.4	30-150					8/14/18 21:21	
Tetrachloro-m-xylene [1]		73.7	30-150					8/14/18 21:21	
Tetrachloro-m-xylene [2]		73.5	30-150					8/14/18 21:21	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-3 (5.5-7.5)

Sampled: 7/27/2018 11:20

Sample ID: 18G1210-40

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.7		% Wt	1		SM 2540G	8/10/18	8/10/18 18:37	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-2 (3.5-5.5)

Sampled: 7/27/2018 11:34

Sample ID: 18G1210-43

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 21:39	JMB
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 21:39	JMB
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 21:39	JMB
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 21:39	JMB
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 21:39	JMB
Aroclor-1254 [1]	0.64	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 21:39	JMB
Aroclor-1260 [2]	0.24	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 21:39	JMB
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 21:39	JMB
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 21:39	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		82.6	30-150					8/14/18 21:39	
Decachlorobiphenyl [2]		108	30-150					8/14/18 21:39	
Tetrachloro-m-xylene [1]		76.9	30-150					8/14/18 21:39	
Tetrachloro-m-xylene [2]		74.7	30-150					8/14/18 21:39	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-2 (3.5-5.5)

Sampled: 7/27/2018 11:34

Sample ID: 18G1210-43

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.0		% Wt	1		SM 2540G	8/10/18	8/10/18 18:38	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-2 (5.5-7.5)

Sampled: 7/27/2018 11:35

Sample ID: 18G1210-44

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 21:56	JMB
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 21:56	JMB
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 21:56	JMB
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 21:56	JMB
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 21:56	JMB
Aroclor-1254 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 21:56	JMB
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 21:56	JMB
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 21:56	JMB
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 21:56	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		83.3	30-150					8/14/18 21:56	
Decachlorobiphenyl [2]		104	30-150					8/14/18 21:56	
Tetrachloro-m-xylene [1]		67.2	30-150					8/14/18 21:56	
Tetrachloro-m-xylene [2]		76.3	30-150					8/14/18 21:56	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-2 (5.5-7.5)

Sampled: 7/27/2018 11:35

Sample ID: 18G1210-44

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.5		% Wt	1		SM 2540G	8/10/18	8/10/18 18:38	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-2 (3.5-5.5)

Sampled: 7/27/2018 11:49

Sample ID: 18G1210-48

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	8/7/18	8/14/18 22:13	JMB
Aroclor-1221 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	8/7/18	8/14/18 22:13	JMB
Aroclor-1232 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	8/7/18	8/14/18 22:13	JMB
Aroclor-1242 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	8/7/18	8/14/18 22:13	JMB
Aroclor-1248 [1]	1.9	0.87	mg/Kg dry	40		SW-846 8082A	8/7/18	8/14/18 22:13	JMB
Aroclor-1254 [2]	5.7	0.87	mg/Kg dry	40		SW-846 8082A	8/7/18	8/14/18 22:13	JMB
Aroclor-1260 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	8/7/18	8/14/18 22:13	JMB
Aroclor-1262 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	8/7/18	8/14/18 22:13	JMB
Aroclor-1268 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	8/7/18	8/14/18 22:13	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/14/18 22:13	
Decachlorobiphenyl [2]		*	30-150		S-01			8/14/18 22:13	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/14/18 22:13	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/14/18 22:13	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-2 (3.5-5.5)

Sampled: 7/27/2018 11:49

Sample ID: 18G1210-48

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.8		% Wt	1		SM 2540G	8/10/18	8/10/18 18:38	MAT



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-2 (5.5-7.5)

Sampled: 7/27/2018 11:50

Sample ID: 18G1210-49

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 22:30	JMB
Aroclor-1221 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 22:30	JMB
Aroclor-1232 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 22:30	JMB
Aroclor-1242 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 22:30	JMB
Aroclor-1248 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 22:30	JMB
Aroclor-1254 [1]	12	1.8	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 22:30	JMB
Aroclor-1260 [2]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 22:30	JMB
Aroclor-1262 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 22:30	JMB
Aroclor-1268 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 22:30	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/14/18 22:30	
Decachlorobiphenyl [2]		*	30-150		S-01			8/14/18 22:30	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/14/18 22:30	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/14/18 22:30	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-2 (5.5-7.5)

Sampled: 7/27/2018 11:50

Sample ID: 18G1210-49

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.2		% Wt	1		SM 2540G	8/10/18	8/10/18 18:38	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-3 (3.5-5.5)

Sampled: 7/27/2018 12:14

Sample ID: 18G1210-52

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 22:48	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 22:48	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 22:48	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 22:48	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 22:48	JMB
Aroclor-1254 [1]	0.23	0.11	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 22:48	JMB
Aroclor-1260 [1]	0.24	0.11	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 22:48	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 22:48	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 22:48	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		86.7	30-150					8/14/18 22:48	
Decachlorobiphenyl [2]		109	30-150					8/14/18 22:48	
Tetrachloro-m-xylene [1]		73.0	30-150					8/14/18 22:48	
Tetrachloro-m-xylene [2]		79.3	30-150					8/14/18 22:48	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-3 (3.5-5.5)

Sampled: 7/27/2018 12:14

Sample ID: 18G1210-52

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	75.4		% Wt	1		SM 2540G	8/10/18	8/10/18 18:38	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-3 (5.5-7.5)

Sampled: 7/27/2018 12:15

Sample ID: 18G1210-53

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 23:05	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 23:05	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 23:05	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 23:05	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 23:05	JMB
Aroclor-1254 [1]	0.28	0.11	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 23:05	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 23:05	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 23:05	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 23:05	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		85.4	30-150					8/14/18 23:05	
Decachlorobiphenyl [2]		85.0	30-150					8/14/18 23:05	
Tetrachloro-m-xylene [1]		82.6	30-150					8/14/18 23:05	
Tetrachloro-m-xylene [2]		84.7	30-150					8/14/18 23:05	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-3 (5.5-7.5)

Sampled: 7/27/2018 12:15

Sample ID: 18G1210-53

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	71.3		% Wt	1		SM 2540G	8/10/18	8/10/18 18:38	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-4 (3.5-5.5)

Sampled: 7/27/2018 12:34

Sample ID: 18G1210-56

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	8/7/18	8/14/18 23:22	JMB
Aroclor-1221 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	8/7/18	8/14/18 23:22	JMB
Aroclor-1232 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	8/7/18	8/14/18 23:22	JMB
Aroclor-1242 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	8/7/18	8/14/18 23:22	JMB
Aroclor-1248 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	8/7/18	8/14/18 23:22	JMB
Aroclor-1254 [1]	420	45	mg/Kg dry	2000		SW-846 8082A	8/7/18	8/14/18 23:22	JMB
Aroclor-1260 [2]	ND	45	mg/Kg dry	2000		SW-846 8082A	8/7/18	8/14/18 23:22	JMB
Aroclor-1262 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	8/7/18	8/14/18 23:22	JMB
Aroclor-1268 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	8/7/18	8/14/18 23:22	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/14/18 23:22	
Decachlorobiphenyl [2]		*	30-150		S-01			8/14/18 23:22	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/14/18 23:22	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/14/18 23:22	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-4 (3.5-5.5)

Sampled: 7/27/2018 12:34

Sample ID: 18G1210-56

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.4		% Wt	1		SM 2540G	8/10/18	8/10/18 18:38	MAT



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-4 (5.5-7.5)

Sampled: 7/27/2018 12:35

Sample ID: 18G1210-57

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	18	mg/Kg dry	800		SW-846 8082A	8/7/18	8/14/18 23:40	JMB
Aroclor-1221 [1]	ND	18	mg/Kg dry	800		SW-846 8082A	8/7/18	8/14/18 23:40	JMB
Aroclor-1232 [1]	ND	18	mg/Kg dry	800		SW-846 8082A	8/7/18	8/14/18 23:40	JMB
Aroclor-1242 [1]	ND	18	mg/Kg dry	800		SW-846 8082A	8/7/18	8/14/18 23:40	JMB
Aroclor-1248 [1]	ND	18	mg/Kg dry	800		SW-846 8082A	8/7/18	8/14/18 23:40	JMB
Aroclor-1254 [1]	140	18	mg/Kg dry	800		SW-846 8082A	8/7/18	8/14/18 23:40	JMB
Aroclor-1260 [2]	ND	18	mg/Kg dry	800		SW-846 8082A	8/7/18	8/14/18 23:40	JMB
Aroclor-1262 [1]	ND	18	mg/Kg dry	800		SW-846 8082A	8/7/18	8/14/18 23:40	JMB
Aroclor-1268 [1]	ND	18	mg/Kg dry	800		SW-846 8082A	8/7/18	8/14/18 23:40	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/14/18 23:40	
Decachlorobiphenyl [2]		*	30-150		S-01			8/14/18 23:40	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/14/18 23:40	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/14/18 23:40	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-4 (5.5-7.5)

Sampled: 7/27/2018 12:35

Sample ID: 18G1210-57

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.2		% Wt	1		SM 2540G	8/10/18	8/10/18 18:38	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-4 (9.5-11.5)

Sampled: 7/27/2018 12:37

Sample ID: 18G1210-59

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.7		% Wt	1		SM 2540G	8/8/18	8/9/18 8:47	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-5 (3.5-5.5)

Sampled: 7/27/2018 12:49

Sample ID: 18G1210-60

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	880	mg/Kg dry	40000		SW-846 8082A	8/7/18	8/14/18 23:57	JMB
Aroclor-1221 [1]	ND	880	mg/Kg dry	40000		SW-846 8082A	8/7/18	8/14/18 23:57	JMB
Aroclor-1232 [1]	ND	880	mg/Kg dry	40000		SW-846 8082A	8/7/18	8/14/18 23:57	JMB
Aroclor-1242 [1]	ND	880	mg/Kg dry	40000		SW-846 8082A	8/7/18	8/14/18 23:57	JMB
Aroclor-1248 [1]	ND	880	mg/Kg dry	40000		SW-846 8082A	8/7/18	8/14/18 23:57	JMB
Aroclor-1254 [1]	5900	880	mg/Kg dry	40000		SW-846 8082A	8/7/18	8/14/18 23:57	JMB
Aroclor-1260 [1]	ND	880	mg/Kg dry	40000		SW-846 8082A	8/7/18	8/14/18 23:57	JMB
Aroclor-1262 [1]	ND	880	mg/Kg dry	40000		SW-846 8082A	8/7/18	8/14/18 23:57	JMB
Aroclor-1268 [1]	ND	880	mg/Kg dry	40000		SW-846 8082A	8/7/18	8/14/18 23:57	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/14/18 23:57	
Decachlorobiphenyl [2]		*	30-150		S-01			8/14/18 23:57	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/14/18 23:57	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/14/18 23:57	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-5 (3.5-5.5)

Sampled: 7/27/2018 12:49

Sample ID: 18G1210-60

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.1		% Wt	1		SM 2540G	8/10/18	8/10/18 18:38	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-5 (5.5-7.5)

Sampled: 7/27/2018 12:50

Sample ID: 18G1210-61

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	8/7/18	8/15/18 0:14	JMB
Aroclor-1221 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	8/7/18	8/15/18 0:14	JMB
Aroclor-1232 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	8/7/18	8/15/18 0:14	JMB
Aroclor-1242 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	8/7/18	8/15/18 0:14	JMB
Aroclor-1248 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	8/7/18	8/15/18 0:14	JMB
Aroclor-1254 [1]	25	4.5	mg/Kg dry	200		SW-846 8082A	8/7/18	8/15/18 0:14	JMB
Aroclor-1260 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	8/7/18	8/15/18 0:14	JMB
Aroclor-1262 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	8/7/18	8/15/18 0:14	JMB
Aroclor-1268 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	8/7/18	8/15/18 0:14	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/15/18 0:14	
Decachlorobiphenyl [2]		*	30-150		S-01			8/15/18 0:14	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/15/18 0:14	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/15/18 0:14	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-5 (5.5-7.5)

Sampled: 7/27/2018 12:50

Sample ID: 18G1210-61

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.1		% Wt	1		SM 2540G	8/10/18	8/10/18 18:38	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-5 (7.5-9.5)

Sampled: 7/27/2018 12:51

Sample ID: 18G1210-62

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.6		% Wt	1		SM 2540G	8/8/18	8/9/18 8:47	MJR



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-5 (9.5-11.5)

Sampled: 7/27/2018 12:52

Sample ID: 18G1210-63

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.5		% Wt	1		SM 2540G	8/8/18	8/9/18 8:47	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C.5-4 (3.5-5.5)

Sampled: 7/27/2018 13:04

Sample ID: 18G1210-64

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
Aroclor-1016 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	8/7/18	8/12/18 7:08	JMB
Aroclor-1221 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	8/7/18	8/12/18 7:08	JMB
Aroclor-1232 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	8/7/18	8/12/18 7:08	JMB
Aroclor-1242 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	8/7/18	8/12/18 7:08	JMB
Aroclor-1248 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	8/7/18	8/12/18 7:08	JMB
Aroclor-1254 [1]	4.9	0.43	mg/Kg dry	20		SW-846 8082A	8/7/18	8/12/18 7:08	JMB
Aroclor-1260 [2]	0.52	0.43	mg/Kg dry	20		SW-846 8082A	8/7/18	8/12/18 7:08	JMB
Aroclor-1262 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	8/7/18	8/12/18 7:08	JMB
Aroclor-1268 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	8/7/18	8/12/18 7:08	JMB
Surrogates	% Recovery		Recovery Limits		Flag/Qual		Date/Time		Analyst
Decachlorobiphenyl [1]	108		30-150				8/12/18 7:08		
Decachlorobiphenyl [2]	113		30-150				8/12/18 7:08		
Tetrachloro-m-xylene [1]	101		30-150				8/12/18 7:08		
Tetrachloro-m-xylene [2]	103		30-150				8/12/18 7:08		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C.5-4 (3.5-5.5)

Sampled: 7/27/2018 13:04

Sample ID: 18G1210-64

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.0		% Wt	1		SM 2540G	8/10/18	8/10/18 18:38	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C.5-4 (5.5-7.5)

Sampled: 7/27/2018 13:05

Sample ID: 18G1210-65

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/7/18	8/12/18 7:27	JMB
Aroclor-1221 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/7/18	8/12/18 7:27	JMB
Aroclor-1232 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/7/18	8/12/18 7:27	JMB
Aroclor-1242 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/7/18	8/12/18 7:27	JMB
Aroclor-1248 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/7/18	8/12/18 7:27	JMB
Aroclor-1254 [1]	5.3	0.46	mg/Kg dry	20		SW-846 8082A	8/7/18	8/12/18 7:27	JMB
Aroclor-1260 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/7/18	8/12/18 7:27	JMB
Aroclor-1262 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/7/18	8/12/18 7:27	JMB
Aroclor-1268 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/7/18	8/12/18 7:27	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		103	30-150					8/12/18 7:27	
Decachlorobiphenyl [2]		116	30-150					8/12/18 7:27	
Tetrachloro-m-xylene [1]		91.6	30-150					8/12/18 7:27	
Tetrachloro-m-xylene [2]		94.8	30-150					8/12/18 7:27	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C.5-4 (5.5-7.5)

Sampled: 7/27/2018 13:05

Sample ID: 18G1210-65

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.5		% Wt	1		SM 2540G	8/10/18	8/10/18 18:38	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C.5-4 (7.5-9.5)

Sampled: 7/27/2018 00:00

Sample ID: 18G1210-66

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	59.4		% Wt	1		SM 2540G	8/8/18	8/9/18 8:47	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C.5-4 (9.5-11.5)

Sampled: 7/27/2018 13:07

Sample ID: 18G1210-67

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	66.3		% Wt	1		SM 2540G	8/8/18	8/9/18 8:47	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C.5-4 (11.5-13.5)

Sampled: 7/27/2018 13:08

Sample ID: 18G1210-68

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.4		% Wt	1		SM 2540G	8/8/18	8/9/18 8:47	MJR



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-2 (3.5-5.5)

Sampled: 7/27/2018 13:24

Sample ID: 18G1210-69

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.6		% Wt	1		SM 2540G	8/8/18	8/9/18 8:48	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-2 (5.5-7.5)

Sampled: 7/27/2018 13:25

Sample ID: 18G1210-70

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.3		% Wt	1		SM 2540G	8/8/18	8/9/18 8:48	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-2 (7.5-9.5)

Sampled: 7/27/2018 13:26

Sample ID: 18G1210-71

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.9		% Wt	1		SM 2540G	8/8/18	8/9/18 8:48	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-2 (9.5-11.5)

Sampled: 7/27/2018 13:27

Sample ID: 18G1210-72

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.4		% Wt	1		SM 2540G	8/8/18	8/9/18 8:48	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-2 (11.5-13.5)

Sampled: 7/27/2018 13:28

Sample ID: 18G1210-73

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	78.4		% Wt	1		SM 2540G	8/8/18	8/9/18 8:48	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-2 (13.5-15.5)

Sampled: 7/27/2018 13:29

Sample ID: 18G1210-74

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.5		% Wt	1		SM 2540G	8/8/18	8/9/18 8:48	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-3 (3.5-5.5)

Sampled: 7/27/2018 13:38

Sample ID: 18G1210-75

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.9		% Wt	1		SM 2540G	8/8/18	8/9/18 8:48	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-3 (5.5-7.5)

Sampled: 7/27/2018 13:39

Sample ID: 18G1210-76

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.5		% Wt	1		SM 2540G	8/8/18	8/9/18 8:48	MJR



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-3 (7.5-9.5)

Sampled: 7/27/2018 13:40

Sample ID: 18G1210-77

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.6		% Wt	1		SM 2540G	8/8/18	8/9/18 8:49	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-3 (9.5-11.5)

Sampled: 7/27/2018 13:41

Sample ID: 18G1210-78

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.5		% Wt	1		SM 2540G	8/8/18	8/9/18 8:49	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-3 (11.5-13.5)

Sampled: 7/27/2018 13:42

Sample ID: 18G1210-79

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.8		% Wt	1		SM 2540G	8/8/18	8/9/18 8:49	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-4 (3.5-5.5)

Sampled: 7/27/2018 13:59

Sample ID: 18G1210-80

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/7/18	8/12/18 7:45	JMB
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/7/18	8/12/18 7:45	JMB
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/7/18	8/12/18 7:45	JMB
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/7/18	8/12/18 7:45	JMB
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/7/18	8/12/18 7:45	JMB
Aroclor-1254 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/7/18	8/12/18 7:45	JMB
Aroclor-1260 [1]	0.10	0.091	mg/Kg dry	4		SW-846 8082A	8/7/18	8/12/18 7:45	JMB
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/7/18	8/12/18 7:45	JMB
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/7/18	8/12/18 7:45	JMB
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	78.6		30-150				8/12/18 7:45		
Decachlorobiphenyl [2]	78.3		30-150				8/12/18 7:45		
Tetrachloro-m-xylene [1]	74.4		30-150				8/12/18 7:45		
Tetrachloro-m-xylene [2]	73.1		30-150				8/12/18 7:45		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-4 (3.5-5.5)

Sampled: 7/27/2018 13:59

Sample ID: 18G1210-80

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.5		% Wt	1		SM 2540G	8/10/18	8/10/18 18:39	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-4 (5.5-7.5)

Sampled: 7/27/2018 14:00

Sample ID: 18G1210-81

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:05	JMB
Aroclor-1221 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:05	JMB
Aroclor-1232 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:05	JMB
Aroclor-1242 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:05	JMB
Aroclor-1248 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:05	JMB
Aroclor-1254 [1]	0.92	0.081	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:05	JMB
Aroclor-1260 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:05	JMB
Aroclor-1262 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:05	JMB
Aroclor-1268 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:05	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		87.6	30-150					8/11/18 18:05	
Decachlorobiphenyl [2]		87.4	30-150					8/11/18 18:05	
Tetrachloro-m-xylene [1]		87.3	30-150					8/11/18 18:05	
Tetrachloro-m-xylene [2]		86.2	30-150					8/11/18 18:05	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-4 (5.5-7.5)

Sampled: 7/27/2018 14:00

Sample ID: 18G1210-81

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.2		% Wt	1		SM 2540G	8/10/18	8/10/18 18:39	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-4 (7.5-9.5)

Sampled: 7/27/2018 14:01

Sample ID: 18G1210-82

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	75.5		% Wt	1		SM 2540G	8/8/18	8/9/18 8:49	MJR



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-4 (9.5-11.5)

Sampled: 7/27/2018 14:02

Sample ID: 18G1210-83

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.9		% Wt	1		SM 2540G	8/8/18	8/9/18 8:49	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-5 (3.5-5.5)

Sampled: 7/27/2018 14:09

Sample ID: 18G1210-84

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:23	JMB
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:23	JMB
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:23	JMB
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:23	JMB
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:23	JMB
Aroclor-1254 [1]	0.10	0.089	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:23	JMB
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:23	JMB
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:23	JMB
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:23	JMB
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	94.6		30-150				8/11/18 18:23		
Decachlorobiphenyl [2]	94.8		30-150				8/11/18 18:23		
Tetrachloro-m-xylene [1]	91.7		30-150				8/11/18 18:23		
Tetrachloro-m-xylene [2]	89.8		30-150				8/11/18 18:23		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-5 (3.5-5.5)

Sampled: 7/27/2018 14:09

Sample ID: 18G1210-84

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.6		% Wt	1		SM 2540G	8/10/18	8/10/18 18:39	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-5 (5.5-7.5)

Sampled: 7/27/2018 14:10

Sample ID: 18G1210-85

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:41	JMB
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:41	JMB
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:41	JMB
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:41	JMB
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:41	JMB
Aroclor-1254 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:41	JMB
Aroclor-1260 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:41	JMB
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:41	JMB
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:41	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		89.5	30-150					8/11/18 18:41	
Decachlorobiphenyl [2]		91.4	30-150					8/11/18 18:41	
Tetrachloro-m-xylene [1]		92.0	30-150					8/11/18 18:41	
Tetrachloro-m-xylene [2]		91.8	30-150					8/11/18 18:41	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-5 (5.5-7.5)

Sampled: 7/27/2018 14:10

Sample ID: 18G1210-85

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.0		% Wt	1		SM 2540G	8/10/18	8/10/18 18:39	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-5 (7.5-9.5)

Sampled: 7/27/2018 14:11

Sample ID: 18G1210-86

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.8		% Wt	1		SM 2540G	8/8/18	8/9/18 8:49	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-5 (9.5-11.5)

Sampled: 7/27/2018 14:12

Sample ID: 18G1210-87

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.2		% Wt	1		SM 2540G	8/8/18	8/9/18 8:49	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B.5-4 (3.5-5.5)

Sampled: 7/27/2018 14:19

Sample ID: 18G1210-88

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.0		% Wt	1		SM 2540G	8/8/18	8/9/18 8:49	MJR



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B.5-4 (5.5-7.5)

Sampled: 7/27/2018 14:20

Sample ID: 18G1210-89

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.5		% Wt	1		SM 2540G	8/8/18	8/9/18 8:49	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B.5-4 (7.5-9.5)

Sampled: 7/27/2018 14:21

Sample ID: 18G1210-90

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.3		% Wt	1		SM 2540G	8/8/18	8/9/18 8:50	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B.5-4 (9.5-11.5)

Sampled: 7/27/2018 14:22

Sample ID: 18G1210-91

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.5		% Wt	1		SM 2540G	8/8/18	8/9/18 8:50	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-A-9 (3.5-5.5)

Sampled: 7/27/2018 14:34

Sample ID: 18G1210-92

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.5		% Wt	1		SM 2540G	8/8/18	8/9/18 8:50	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-A-9 (5.5-7.5)

Sampled: 7/27/2018 14:35

Sample ID: 18G1210-93

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.7		% Wt	1		SM 2540G	8/8/18	8/9/18 8:50	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-A-9 (7.5-9.5)

Sampled: 7/27/2018 14:36

Sample ID: 18G1210-94

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.6		% Wt	1		SM 2540G	8/8/18	8/9/18 8:50	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-A-9 (9.5-11.5)

Sampled: 7/27/2018 14:37

Sample ID: 18G1210-95

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	45.8		% Wt	1		SM 2540G	8/8/18	8/9/18 8:50	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-A-9 (11.5-13.5)

Sampled: 7/27/2018 14:38

Sample ID: 18G1210-96

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.8		% Wt	1		SM 2540G	8/8/18	8/9/18 8:50	MJR



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-A-7 (3.5-5.5)

Sampled: 7/27/2018 14:49

Sample ID: 18G1210-97

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.2		% Wt	1		SM 2540G	8/8/18	8/9/18 8:51	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-A-7 (5.5-7.5)

Sampled: 7/27/2018 14:50

Sample ID: 18G1210-98

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.8		% Wt	1		SM 2540G	8/8/18	8/9/18 8:51	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-A-7 (7.5-9.5)

Sampled: 7/27/2018 14:51

Sample ID: 18G1210-99

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.6		% Wt	1		SM 2540G	8/8/18	8/9/18 8:51	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-A-7 (9.5-11.5)

Sampled: 7/27/2018 14:52

Sample ID: 18G1210-AA

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.2		% Wt	1		SM 2540G	8/8/18	8/9/18 8:51	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-A-7 (11.5-13.5)

Sampled: 7/27/2018 14:53

Sample ID: 18G1210-AB

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	68.8		% Wt	1		SM 2540G	8/8/18	8/9/18 8:51	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-A-7 (13.5-15.5)

Sampled: 7/27/2018 14:54

Sample ID: 18G1210-AC

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.8		% Wt	1		SM 2540G	8/8/18	8/9/18 8:52	MJR

**Sample Extraction Data**

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18G1210-59 [B-D-4 (9.5-11.5)]	B209880	08/08/18
18G1210-62 [B-D-5 (7.5-9.5)]	B209880	08/08/18
18G1210-63 [B-D-5 (9.5-11.5)]	B209880	08/08/18
18G1210-66 [B-C.5-4 (7.5-9.5)]	B209880	08/08/18
18G1210-67 [B-C.5-4 (9.5-11.5)]	B209880	08/08/18
18G1210-68 [B-C.5-4 (11.5-13.5)]	B209880	08/08/18
18G1210-69 [B-B-2 (3.5-5.5)]	B209880	08/08/18
18G1210-70 [B-B-2 (5.5-7.5)]	B209880	08/08/18
18G1210-71 [B-B-2 (7.5-9.5)]	B209880	08/08/18
18G1210-72 [B-B-2 (9.5-11.5)]	B209880	08/08/18
18G1210-73 [B-B-2 (11.5-13.5)]	B209880	08/08/18
18G1210-74 [B-B-2 (13.5-15.5)]	B209880	08/08/18
18G1210-75 [B-B-3 (3.5-5.5)]	B209880	08/08/18
18G1210-76 [B-B-3 (5.5-7.5)]	B209880	08/08/18
18G1210-77 [B-B-3 (7.5-9.5)]	B209880	08/08/18
18G1210-78 [B-B-3 (9.5-11.5)]	B209880	08/08/18
18G1210-79 [B-B-3 (11.5-13.5)]	B209880	08/08/18
18G1210-82 [B-B-4 (7.5-9.5)]	B209880	08/08/18
18G1210-83 [B-B-4 (9.5-11.5)]	B209880	08/08/18
18G1210-86 [B-B-5 (7.5-9.5)]	B209880	08/08/18
18G1210-87 [B-B-5 (9.5-11.5)]	B209880	08/08/18
18G1210-88 [B-B.5-4 (3.5-5.5)]	B209880	08/08/18
18G1210-89 [B-B.5-4 (5.5-7.5)]	B209880	08/08/18
18G1210-90 [B-B.5-4 (7.5-9.5)]	B209880	08/08/18
18G1210-91 [B-B.5-4 (9.5-11.5)]	B209880	08/08/18
18G1210-92 [B-A-9 (3.5-5.5)]	B209880	08/08/18
18G1210-93 [B-A-9 (5.5-7.5)]	B209880	08/08/18
18G1210-94 [B-A-9 (7.5-9.5)]	B209880	08/08/18
18G1210-95 [B-A-9 (9.5-11.5)]	B209880	08/08/18
18G1210-96 [B-A-9 (11.5-13.5)]	B209880	08/08/18
18G1210-97 [B-A-7 (3.5-5.5)]	B209880	08/08/18
18G1210-98 [B-A-7 (5.5-7.5)]	B209880	08/08/18
18G1210-99 [B-A-7 (7.5-9.5)]	B209880	08/08/18
18G1210-AA [B-A-7 (9.5-11.5)]	B209880	08/08/18
18G1210-AB [B-A-7 (11.5-13.5)]	B209880	08/08/18
18G1210-AC [B-A-7 (13.5-15.5)]	B209880	08/08/18

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18G1210-19 [B-C-5 (3.5-5.5)]	B210028	08/10/18
18G1210-20 [B-C-5 (5.5-7.5)]	B210028	08/10/18
18G1210-24 [B-C-4.5 (3.5-5.5)]	B210028	08/10/18
18G1210-25 [B-C-4.5 (5.5-7.5)]	B210028	08/10/18
18G1210-29 [B-C-4 (3.5-5.5)]	B210028	08/10/18
18G1210-30 [B-C-4 (5.5-7.5)]	B210028	08/10/18
18G1210-34 [B-C-3.5 (3.5-5.5)]	B210028	08/10/18
18G1210-35 [B-C-3.5 (5.5-7.5)]	B210028	08/10/18
18G1210-39 [B-C-3 (3.5-5.5)]	B210028	08/10/18
18G1210-40 [B-C-3 (5.5-7.5)]	B210028	08/10/18
18G1210-43 [B-C-2 (3.5-5.5)]	B210028	08/10/18
18G1210-44 [B-C-2 (5.5-7.5)]	B210028	08/10/18
18G1210-48 [B-D-2 (3.5-5.5)]	B210028	08/10/18
18G1210-49 [B-D-2 (5.5-7.5)]	B210028	08/10/18

**Sample Extraction Data**

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18G1210-52 [B-D-3 (3.5-5.5)]	B210028	08/10/18
18G1210-53 [B-D-3 (5.5-7.5)]	B210028	08/10/18
18G1210-56 [B-D-4 (3.5-5.5)]	B210028	08/10/18
18G1210-57 [B-D-4 (5.5-7.5)]	B210028	08/10/18
18G1210-60 [B-D-5 (3.5-5.5)]	B210028	08/10/18
18G1210-61 [B-D-5 (5.5-7.5)]	B210028	08/10/18
18G1210-64 [B-C.5-4 (3.5-5.5)]	B210028	08/10/18
18G1210-65 [B-C.5-4 (5.5-7.5)]	B210028	08/10/18
18G1210-80 [B-B-4 (3.5-5.5)]	B210028	08/10/18
18G1210-81 [B-B-4 (5.5-7.5)]	B210028	08/10/18
18G1210-84 [B-B-5 (3.5-5.5)]	B210028	08/10/18
18G1210-85 [B-B-5 (5.5-7.5)]	B210028	08/10/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1210-19 [B-C-5 (3.5-5.5)]	B209767	10.0	10.0	08/07/18
18G1210-20 [B-C-5 (5.5-7.5)]	B209767	10.0	10.0	08/07/18
18G1210-24 [B-C-4.5 (3.5-5.5)]	B209767	10.0	10.0	08/07/18
18G1210-25 [B-C-4.5 (5.5-7.5)]	B209767	10.0	10.0	08/07/18
18G1210-29 [B-C-4 (3.5-5.5)]	B209767	10.0	10.0	08/07/18
18G1210-30 [B-C-4 (5.5-7.5)]	B209767	10.0	10.0	08/07/18
18G1210-34 [B-C-3.5 (3.5-5.5)]	B209767	10.0	10.0	08/07/18
18G1210-35 [B-C-3.5 (5.5-7.5)]	B209767	10.0	10.0	08/07/18
18G1210-39 [B-C-3 (3.5-5.5)]	B209767	10.0	10.0	08/07/18
18G1210-40 [B-C-3 (5.5-7.5)]	B209767	10.0	10.0	08/07/18
18G1210-43 [B-C-2 (3.5-5.5)]	B209767	10.0	10.0	08/07/18
18G1210-44 [B-C-2 (5.5-7.5)]	B209767	10.0	10.0	08/07/18
18G1210-48 [B-D-2 (3.5-5.5)]	B209767	10.0	10.0	08/07/18
18G1210-49 [B-D-2 (5.5-7.5)]	B209767	10.0	10.0	08/07/18
18G1210-52 [B-D-3 (3.5-5.5)]	B209767	10.0	10.0	08/07/18
18G1210-53 [B-D-3 (5.5-7.5)]	B209767	10.0	10.0	08/07/18
18G1210-56 [B-D-4 (3.5-5.5)]	B209767	10.0	10.0	08/07/18
18G1210-57 [B-D-4 (5.5-7.5)]	B209767	10.0	10.0	08/07/18
18G1210-60 [B-D-5 (3.5-5.5)]	B209767	10.0	10.0	08/07/18
18G1210-61 [B-D-5 (5.5-7.5)]	B209767	10.0	10.0	08/07/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1210-64 [B-C.5-4 (3.5-5.5)]	B209768	10.1	10.0	08/07/18
18G1210-65 [B-C.5-4 (5.5-7.5)]	B209768	10.5	10.0	08/07/18
18G1210-80 [B-B-4 (3.5-5.5)]	B209768	10.2	10.0	08/07/18
18G1210-81 [B-B-4 (5.5-7.5)]	B209768	10.7	10.0	08/07/18
18G1210-84 [B-B-5 (3.5-5.5)]	B209768	10.7	10.0	08/07/18
18G1210-85 [B-B-5 (5.5-7.5)]	B209768	10.6	10.0	08/07/18



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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209767 - SW-846 3540C</b>										
<b>Blank (B209767-BLK1)</b>										
Prepared: 08/07/18 Analyzed: 08/14/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.172		mg/Kg wet	0.200		86.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.211		mg/Kg wet	0.200		105	30-150			
Surrogate: Tetrachloro-m-xylene	0.180		mg/Kg wet	0.200		89.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.174		mg/Kg wet	0.200		86.8	30-150			
<b>LCS (B209767-BS1)</b>										
Prepared: 08/07/18 Analyzed: 08/14/18										
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		94.3	40-140			
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		101	40-140			
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		83.4	40-140			
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		95.3	40-140			
Surrogate: Decachlorobiphenyl	0.196		mg/Kg wet	0.200		97.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.241		mg/Kg wet	0.200		120	30-150			
Surrogate: Tetrachloro-m-xylene	0.201		mg/Kg wet	0.200		100	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.193		mg/Kg wet	0.200		96.7	30-150			
<b>LCS Dup (B209767-BSD1)</b>										
Prepared: 08/07/18 Analyzed: 08/14/18										
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		93.0	40-140	1.37	30	
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		95.7	40-140	5.36	30	
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		81.9	40-140	1.86	30	
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		92.9	40-140	2.49	30	
Surrogate: Decachlorobiphenyl	0.189		mg/Kg wet	0.200		94.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.234		mg/Kg wet	0.200		117	30-150			
Surrogate: Tetrachloro-m-xylene	0.196		mg/Kg wet	0.200		98.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.188		mg/Kg wet	0.200		94.1	30-150			

**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209768 - SW-846 3540C</b>										
<b>Blank (B209768-BLK1)</b>										
Prepared: 08/07/18 Analyzed: 08/08/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.180		mg/Kg wet	0.200		89.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.193		mg/Kg wet	0.200		96.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.177		mg/Kg wet	0.200		88.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.187		mg/Kg wet	0.200		93.5	30-150			
<b>LCS (B209768-BS1)</b>										
Prepared: 08/07/18 Analyzed: 08/08/18										
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		86.5	40-140			
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		85.3	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		78.7	40-140			
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		77.3	40-140			
Surrogate: Decachlorobiphenyl	0.169		mg/Kg wet	0.200		84.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.182		mg/Kg wet	0.200		90.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.171		mg/Kg wet	0.200		85.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.181		mg/Kg wet	0.200		90.6	30-150			
<b>LCS Dup (B209768-BSD1)</b>										
Prepared: 08/07/18 Analyzed: 08/08/18										
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		87.7	40-140	1.47	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		88.0	40-140	3.19	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		83.4	40-140	5.79	30	
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		83.1	40-140	7.17	30	
Surrogate: Decachlorobiphenyl	0.180		mg/Kg wet	0.200		90.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.195		mg/Kg wet	0.200		97.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.177		mg/Kg wet	0.200		88.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.188		mg/Kg wet	0.200		93.8	30-150			

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**QUALITY CONTROL**

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209880 - % Solids</b>										
<b>Duplicate (B209880-DUP1)</b>	<b>Source: 18G1210-AA</b>		Prepared & Analyzed: 08/09/18							
% Solids	86.0		% Wt		89.2			3.70	20	
<b>Duplicate (B209880-DUP2)</b>	<b>Source: 18G1210-AB</b>		Prepared & Analyzed: 08/09/18							
% Solids	67.7		% Wt		68.8			1.65	20	
<b>Duplicate (B209880-DUP3)</b>	<b>Source: 18G1210-AC</b>		Prepared & Analyzed: 08/09/18							
% Solids	85.2		% Wt		84.8			0.435	20	
<b>Batch B210028 - % Solids</b>										
<b>Duplicate (B210028-DUP1)</b>	<b>Source: 18G1210-19</b>		Prepared & Analyzed: 08/10/18							
% Solids	95.1		% Wt		94.5			0.653	20	
<b>Duplicate (B210028-DUP2)</b>	<b>Source: 18G1210-52</b>		Prepared & Analyzed: 08/10/18							
% Solids	76.1		% Wt		75.4			0.936	20	
<b>Duplicate (B210028-DUP3)</b>	<b>Source: 18G1210-80</b>		Prepared & Analyzed: 08/10/18							
% Solids	85.4		% Wt		86.5			1.34	20	

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-5 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-19 Date(s) Analyzed 08/14/2018 08/14/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.40	
	2	0.000	-0.030	0.030	0.44	9.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-C-5 (5.5-7.5)**

Lab Sample ID: 18G1210-20 Date(s) Analyzed 08/14/2018 08/14/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	12	
	2	0.000	-0.030	0.030	13	8.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-4.5 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-24 Date(s) Analyzed 08/14/2018 08/14/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2000	
	2	0.000	-0.030	0.030	2100	4.9

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-4.5 (5.5-7.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-25 Date(s) Analyzed 08/14/2018 08/14/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	13	
	2	0.000	-0.030	0.030	15	14.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-4 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-29 Date(s) Analyzed 08/14/2018 08/14/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	790	
	2	0.000	-0.030	0.030	880	10.8



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-4 (5.5-7.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-30 Date(s) Analyzed 08/14/2018 08/14/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	27	
	2	0.000	-0.030	0.030	30	10.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-3.5 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-34 Date(s) Analyzed 08/14/2018 08/14/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1700	
	2	0.000	-0.030	0.030	1900	11.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-3.5 (5.5-7.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-35 Date(s) Analyzed 08/14/2018 08/14/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2400	
	2	0.000	-0.030	0.030	2600	8.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-3 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-39 Date(s) Analyzed 08/14/2018 08/14/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	4.6	
	2	0.000	-0.030	0.030	5.2	12.2

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-3 (5.5-7.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-40 Date(s) Analyzed 08/14/2018 08/14/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.3	
	2	0.000	-0.030	0.030	2.2	4.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-C-2 (3.5-5.5)**

Lab Sample ID: 18G1210-43 Date(s) Analyzed 08/14/2018 08/14/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.64	
	2	0.000	-0.030	0.030	0.62	3.2
Aroclor-1260	1	0.000	-0.030	0.030	0.22	
	2	0.000	-0.030	0.030	0.24	8.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-D-2 (3.5-5.5)**

Lab Sample ID: 18G1210-48 Date(s) Analyzed 08/14/2018 08/14/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	-0.030	0.030	1.9	
	2	0.000	-0.030	0.030	1.7	11.1
Aroclor-1254	1	0.000	-0.030	0.030	5.4	
	2	0.000	-0.030	0.030	5.7	5.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-D-2 (5.5-7.5)**

Lab Sample ID: 18G1210-49 Date(s) Analyzed 08/14/2018 08/14/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	12	
	2	0.000	-0.030	0.030	11	8.7



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-D-3 (3.5-5.5)**

Lab Sample ID: 18G1210-52 Date(s) Analyzed 08/14/2018 08/14/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.23	
	2	0.000	-0.030	0.030	0.21	9.1
Aroclor-1260	1	0.000	-0.030	0.030	0.24	
	2	0.000	-0.030	0.030	0.24	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-D-3 (5.5-7.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-53 Date(s) Analyzed 08/14/2018 08/14/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.28	
	2	0.000	-0.030	0.030	0.28	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-D-4 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-56 Date(s) Analyzed 08/14/2018 08/14/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	420	
	2	0.000	-0.030	0.030	410	2.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-D-4 (5.5-7.5)**

Lab Sample ID: 18G1210-57 Date(s) Analyzed 08/14/2018 08/14/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	140	
	2	0.000	-0.030	0.030	140	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-D-5 (3.5-5.5)**

Lab Sample ID: 18G1210-60 Date(s) Analyzed 08/14/2018 08/14/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	5900	
	2	0.000	-0.030	0.030	5800	1.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-D-5 (5.5-7.5)**

Lab Sample ID: 18G1210-61 Date(s) Analyzed 08/15/2018 08/15/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	25	
	2	0.000	-0.030	0.030	24	4.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-C.5-4 (3.5-5.5)**

Lab Sample ID: 18G1210-64 Date(s) Analyzed 08/12/2018 08/12/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	4.9	
	2	0.000	-0.030	0.030	4.9	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.45	
	2	0.000	-0.030	0.030	0.52	12.2

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-C.5-4 (5.5-7.5)**

Lab Sample ID: 18G1210-65 Date(s) Analyzed 08/12/2018 08/12/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: \_\_\_\_\_ (mm) GC Column (2): ID: \_\_\_\_\_ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	5.3	
	2	0.000	-0.030	0.030	5.1	3.9



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-B-4 (3.5-5.5)**

Lab Sample ID: 18G1210-80 Date(s) Analyzed 08/12/2018 08/12/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: \_\_\_\_\_ (mm) GC Column (2): ID: \_\_\_\_\_ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.10	
	2	0.000	-0.030	0.030	0.10	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-B-4 (5.5-7.5)**

Lab Sample ID: 18G1210-81 Date(s) Analyzed 08/11/2018 08/11/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.92	
	2	0.000	-0.030	0.030	0.90	2.2

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

<b>LCS</b>
------------

*SW-846 8082A*

Lab Sample ID:           B209767-BS1                                Date(s) Analyzed           08/14/2018                     08/14/2018          

Instrument ID (1):           ECD5                                                Instrument ID (2):           ECD5          

GC Column (1):                                      ID:                      (mm)                      GC Column (2):                                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.20	5.1
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.19	11.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

<b>LCS Dup</b>
----------------

Lab Sample ID:                   B209767-BSD1                                        Date(s) Analyzed           08/14/2018                     08/14/2018          

Instrument ID (1):                   ECD5                                        Instrument ID (2):                   ECD5                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.19	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.19	17.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

LCS
-----

Lab Sample ID: B209768-BS1 Date(s) Analyzed 08/08/2018 08/08/2018

Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.17	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.15	6.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

<b>LCS Dup</b>
----------------

Lab Sample ID:                   B209768-BSD1                                        Date(s) Analyzed           08/08/2018                     08/08/2018          

Instrument ID (1):                   ECD4                                        Instrument ID (2):                   ECD4                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.18	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.17	0.0

---

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
O-32	A dilution was performed as part of the standard analytical procedure.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<i>SW-846 8082A in Soil</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019





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 Email: info@contestlabs.com

Doc # 381 Rev 1\_03242017  
 39 Spruce Street  
 East Longmeadow, MA 01028

Page 2 of

**Company Name:** Conway Park  
**Address:**  
**Phone:**  
**Project Name:**  
**Project Location:**  
**Project Number:**  
**Project Manager:**  
**Con-Test Quote Name/Number:**  
**Invoice Recipient:**  
**Sampled By:**

Con-Test Vial #	Sample ID	Matrix	Time	Analysis Requested	Matrix Codes	Preservation Codes	Container Codes
010	B-C-11(0.5-1.5)	GW	7/27 9:01	S	GW = Ground Water	I = Iced	A = Amber Glass
011	B-C-11(1.5-2.5)	WW	7/27 9:02	V	WW = Waste Water	H = HCL	G = Glass
012	B-C-11(2.5-3.5)	DW	7/27 9:03	V	DW = Drinking Water	M = Methanol	P = Plastic
013	B-C-11(3.5-5.5)	A	7/27 9:04	V	A = Air	N = Nitric Acid	ST = Sterile
014	B-C-11(5.5-7.5)	S	7/27 9:05	V	S = Soil	S = Sulfuric Acid	V = Vial
015	B-C-11(7.5-9.5)	SL	7/27 9:06	V	SL = Sludge	B = Sodium Bisulfate	S = Summa Canister
016	B-C-11(9.5-11.5)	SOL	7/27 9:07	V	SOL = Solid	X = Sodium Hydroxide	T = Tedlar Bag
017	B-C-11(0-0.5)	O	7/27 9:25	V	O = Other (please define)	T = Thioculfate	O = Other (please define)
018	B-C-11(0.5-1.5)		7/27 9:26	V			
019	B-C-11(1.5-2.5)		7/27 9:27	V			

**Requested Turnaround Time:**  7-Day  10-Day

**Due Date:**

**Rush Approval Required:**  1-Day  3-Day  4-Day

**Data Delivery:**  PDF  EXCEL

**Other:**  CLP Like Data Pkg Required:

**Email To:**  
**Fax To #:**

**Special Requirements:**  
 MA MCP Required  
 MCP Certification Form Required  
 CT RCP Required  
 RCP Certification Form Required  
 MA State DW Required  
 PWSID #

**Detection Limit Requirements:**  
 MA  
 CT  
 Other

**Project Entity:**  
 Government  Municipality  MWRA  WRTA  Other  
 Federal  21 J  School  Chromatogram  
 City  Brownfield  MBTA  AIMA-LAP, LLC

**PCB ONLY:**  
 Soxhlet  
 Non Soxhlet

**Comments:**  
 Samples w/ no analysis ordered to be held

**Relinquished by (signature):** [Signature] **Date/Time:** 7/27  
**Received by (signature):** [Signature] **Date/Time:** 7/27/18  
**Relinquished by (signature):** [Signature] **Date/Time:** 7/27/18  
**Received by (signature):** [Signature] **Date/Time:** 7/27/18  
**Relinquished by (signature):** [Signature] **Date/Time:** 7/27/18  
**Received by (signature):** [Signature] **Date/Time:** 7/27/18

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown



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 East Longmeadow, MA 01028

Doc # 381 Rev 1\_03242017

Page 3 of

18C-1210



Phone: 413-525-2332  
 Fax: 413-525-6405  
 Email: info@contestlabs.com

**Company Name:** CONWAY  
**Address:**  
**Phone:**  
**Project Name:**  
**Project Location:**  
**Project Number:**  
**Project Manager:**  
**Con-Test Quote Name/Number:**  
**Invoice Recipient:**  
**Sampled By:**

**Requested Turnaround Time:**  
 7-Day  10-Day   
**Due Date:**  
**Rush-Approval Required:**  
 1-Day  3-Day   
 2-Day  4-Day   
**Data Delivery:**  
 Format: PDF  EXCEL   
 Other:  
 CLP Like Data Pkg Required:   
 Email To:  
 Fax To #:

Con-Test Work Order	Date/Time	Signature	Received By (Signature)	Date/Time	Signature	Received By (Signature)	Date/Time	Signature	Received By (Signature)	Date/Time	Signature
B-C-9(2.5-3.5)	7/27 9:28			7/27 7:27			7/27 18:15			7/27 18:15	
B-C-9(3.5-5.5)	9:29										
B-C-9(5.5-7.5)	9:30										
B-C-9(7.5-9.5)	9:31										
B-C-9(9.5-11.5)	9:32										
B-C-9(11.5-13.5)	9:33										
B-C-7(0-0.5)	9:50										
B-C-7(0.5-1.5)	9:51										
B-C-7(1.5-4.5)	9:52										
B-C-7(2.5-3.5)	9:53										

**Comments:**  
 Samples w/ no analyses checked to be held.

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

**Matrix Codes:**  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

**Preservation Codes:**  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

**Container Codes:**  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

**PEB ONLY:**  
 Soxhlet  
 Non Soxhlet

**Requested Turnaround Time:**  
 7-Day  10-Day   
**Due Date:**  
**Rush-Approval Required:**  
 1-Day  3-Day   
 2-Day  4-Day   
**Data Delivery:**  
 Format: PDF  EXCEL   
 Other:  
 CLP Like Data Pkg Required:   
 Email To:  
 Fax To #:

**Detection Limit Requirements:**  
 MA MCP Required   
 MCP Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 MA State DW Required   
 PWSID #

**Special Requirements:**  
 MA MCP Required   
 MCP Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 MA State DW Required   
 PWSID #

**Project Entity:**  
 Government  
 Federal  
 City  
 Municipality  
 WRTA  
 MWRA  
 School  
 MBTA  
 Other  
 Chromatogram  
 AHA-LAP, LLC

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<http://www.contestlabs.com>  
**CHAIN OF CUSTODY RECORD**  
 7-Day  10-Day   
 Due Date: \_\_\_\_\_  
 Rush Approval Required   
 1-Day  3-Day   
 2-Day  4-Day   
 Date Delivered: \_\_\_\_\_  
 Format: PDF  EXCEL   
 Other: \_\_\_\_\_  
 CLP Like Data Pkg Required:   
 Email To: \_\_\_\_\_  
 Fax To #: \_\_\_\_\_

1861210  
 Phone: 413-525-2332  
 Fax: 413-525-6405  
 Email: info@contestlabs.com



Company Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Project Name: **COMING PARK**  
 Project Location: \_\_\_\_\_  
 Project Number: \_\_\_\_\_  
 Project Manager: \_\_\_\_\_  
 Con-Test Quote Name/Number: \_\_\_\_\_  
 Invoice Recipient: \_\_\_\_\_  
 Sampled By: \_\_\_\_\_

Con-Test Work Order #	Sample ID	Sample Description	Time	Matrix	Preservation	Analysis Requested	Field Filtered	Lab to Filter
9	B-C-7(3.5.5.5)	7/27	9:54	S	U		<input type="checkbox"/>	<input type="checkbox"/>
10	B-C-7(5.5.7.5)		9:55				<input type="checkbox"/>	<input type="checkbox"/>
11	B-C-7(7.5.4.5)		9:56				<input type="checkbox"/>	<input type="checkbox"/>
18	B-C-7(4.5.11.5)		9:57				<input type="checkbox"/>	<input type="checkbox"/>
	B-C-5(0.0.5)		10:15				<input type="checkbox"/>	<input type="checkbox"/>
	B-C-5(0.5.1.5)		10:16				<input type="checkbox"/>	<input type="checkbox"/>
	B-C-5(1.5.2.5)		10:17				<input type="checkbox"/>	<input type="checkbox"/>
	B-C-5(2.5.3.5)		10:18				<input type="checkbox"/>	<input type="checkbox"/>
19	B-C-5(3.5.5.5)		10:19				<input type="checkbox"/>	<input type="checkbox"/>
20	B-C-5(5.5.7.5)		10:20				<input type="checkbox"/>	<input type="checkbox"/>

Comments: **Samples w/ no checked analyses to be held**

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

1 Matrix Codes:  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

2 Preservation Codes:  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

3 Container Codes:  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Teflon Bag  
 O = Other (please define)

Requested Turnaround Time: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Rush Approval Required:   
 1-Day  3-Day   
 2-Day  4-Day   
 Date Delivered: \_\_\_\_\_  
 Format: PDF  EXCEL   
 Other: \_\_\_\_\_  
 CLP Like Data Pkg Required:   
 Email To: \_\_\_\_\_  
 Fax To #: \_\_\_\_\_

Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/27  
 Received by: (signature) \_\_\_\_\_ Date/Time: 7/27/18  
 Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/27/18  
 Received by: (signature) \_\_\_\_\_ Date/Time: 7/27/18  
 Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/27/18  
 Received by: (signature) \_\_\_\_\_ Date/Time: 7/27/18

Detection Limits Requirements: MA, CT, Other  
 Special Requirements: MA MCP Required, MCP Certification Form Required, CT RCP Required, RCP Certification Form Required, MA State DW Required

Project Entity: Government, Federal, City, Municipality, WRTA, MMRA, School, MBTA, Other  
 21 J, Brownfield, Chromatogram, AMHA-LAP, LLC

PCB ONLY:  Soxhlet,  Non Soxhlet



1801210



Phone: 413-525-2332  
 Fax: 413-525-6405  
 Email: info@contestlabs.com

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 CHAIN OF CUSTODY RECORD

39 Spruce Street  
 East Longmeadow, MA 01028

Page 5 of

Company Name: <b>CONWAY PARK</b> Address: Phone: Project Location: Project Number: Project Manager: Con-Test Quote Name/Number: Invoice Recipient: Sampled By:		Requested Turnaround Time: 7-Day <input type="checkbox"/> 10-Day <input type="checkbox"/> Due Date: Rush Approval Required: 1-Day <input type="checkbox"/> 3-Day <input type="checkbox"/> 2-Day <input type="checkbox"/> 4-Day <input type="checkbox"/> Data Delivery: Format: PDF <input type="checkbox"/> EXCEL <input type="checkbox"/> Other: CLP Like Data Pkg Required: <input type="checkbox"/> Email To: Fax To #:		# of Containers Preservation Code Container Code Dispersed Media Samples: <input type="radio"/> Field Filtered <input type="radio"/> Lab to Filter Other Dispersed Media Samples: <input type="radio"/> Field Filtered <input type="radio"/> Lab to Filter					
Matrix Codes: GW = Ground Water WW = Waste Water DW = Drinking Water A = Air S = Soil SL = Sludge SOL = Solid O = Other (please define)		Preservation Codes: I = Iced H = HCL M = Methanol N = Nitric Acid S = Sulfuric Acid B = Sodium Bisulfate X = Sodium Hydroxide T = Sodium Thiosulfate O = Other (please define)		Container Codes: A = Amber Glass G = Glass P = Plastic ST = Sterile V = Vial S = Summa Canister T = Tedlar Bag O = Other (please define)					
ANALYSIS REQUESTED		PCBs (SOX44) Lead		1 Matrix Codes: 2 Preservation Codes: 3 Container Codes:					
Date/Time: 7/27 10:20 B-C-5 (7.5-9.5)	Date/Time: 7/27 10:21 B-C-5 (9.5-11.5)	Date/Time: 7/27 10:22 B-C-5 (11.5-13.5)	Date/Time: 7/27 10:30 B-C-4.5 (0-0.5)	Date/Time: 7/27 10:32 B-C-4.5 (0.5-1.5)	Date/Time: 7/27 10:33 B-C-4.5 (2.5-3.5)	Date/Time: 7/27 10:34 B-C-4.5 (3.5-5.5)	Date/Time: 7/27 10:35 B-C-4.5 (5.5-7.5)	Date/Time: 7/27 10:36 B-C-4.5 (7.5-9.5)	
Requisitioned by: (signature)		Date/Time: 7/27 10:545		Relinquished by: (signature)		Date/Time: 7/27 10:1945		Date/Time: 7/27 10:1945	
Requisitioned by: (signature)		Date/Time: 7/27 10:1945		Requisitioned by: (signature)		Date/Time: 7/27 10:1945		Date/Time: 7/27 10:1945	
Requisitioned by: (signature)		Date/Time: 7/27 10:1945		Requisitioned by: (signature)		Date/Time: 7/27 10:1945		Date/Time: 7/27 10:1945	
Requisitioned by: (signature)		Date/Time: 7/27 10:1945		Requisitioned by: (signature)		Date/Time: 7/27 10:1945		Date/Time: 7/27 10:1945	
Requisitioned by: (signature)		Date/Time: 7/27 10:1945		Requisitioned by: (signature)		Date/Time: 7/27 10:1945		Date/Time: 7/27 10:1945	
Requisitioned by: (signature)		Date/Time: 7/27 10:1945		Requisitioned by: (signature)		Date/Time: 7/27 10:1945		Date/Time: 7/27 10:1945	

Samples w/ 10 checked analyses to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown



Detection/Limit Requirements		Special Requirements	
<input type="checkbox"/> MA	<input type="checkbox"/> MA MCP Required	<input type="checkbox"/> MA	<input type="checkbox"/> MA MCP Required
<input type="checkbox"/> CT	<input type="checkbox"/> MCP Certification Form Required	<input type="checkbox"/> CT	<input type="checkbox"/> CT RCP Required
<input type="checkbox"/> Other	<input type="checkbox"/> RCP Certification Form Required	<input type="checkbox"/> MA State DW Required	<input type="checkbox"/> PWSID #
Project Entity		Other	
<input type="checkbox"/> Government	<input type="checkbox"/> Municipality	<input type="checkbox"/> MWRA	<input type="checkbox"/> Chromatogram
<input type="checkbox"/> Federal	<input type="checkbox"/> 21 J	<input type="checkbox"/> School	<input type="checkbox"/> AIHA-LAP, LLC
<input type="checkbox"/> City	<input type="checkbox"/> Brownfield	<input type="checkbox"/> MBTA	<input type="checkbox"/> Non Soxhlet





Company Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Project Name: **CONVEY PARK**  
 Project Location: \_\_\_\_\_  
 Project Number: \_\_\_\_\_  
 Project Manager: \_\_\_\_\_  
 Con-Test Quote Name/Number: \_\_\_\_\_  
 Invoice Recipient: \_\_\_\_\_  
 Sampled By: \_\_\_\_\_

Con-Test Quote Number	Date/Time	Signature	Signature	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time	Analysis Requested	Field Filtered	Lab to Filter
B-C-4-S (9.5-11.5)	7/27	[Signature]	[Signature]	7/27	10:57	S	U				<input type="checkbox"/>	<input type="checkbox"/>
B-C-4-S (11.5-13.5)	7/27	[Signature]	[Signature]	7/27	10:58	S	U				<input type="checkbox"/>	<input type="checkbox"/>
B-C-4 (0-0.5)	7/27	[Signature]	[Signature]	7/27	10:50	S	U				<input type="checkbox"/>	<input type="checkbox"/>
B-C-4 (0.5-1.5)	7/27	[Signature]	[Signature]	7/27	10:51	S	U				<input type="checkbox"/>	<input type="checkbox"/>
B-C-4 (1.5-2.5)	7/27	[Signature]	[Signature]	7/27	10:52	S	U				<input type="checkbox"/>	<input type="checkbox"/>
B-C-4 (2.5-3.5)	7/27	[Signature]	[Signature]	7/27	10:53	S	U				<input type="checkbox"/>	<input type="checkbox"/>
B-C-4 (3.5-5.5)	7/27	[Signature]	[Signature]	7/27	10:54	S	U				<input type="checkbox"/>	<input type="checkbox"/>
B-C-4 (5.5-7.5)	7/27	[Signature]	[Signature]	7/27	10:55	S	U				<input type="checkbox"/>	<input type="checkbox"/>
B-C-4 (7.5-9.5)	7/27	[Signature]	[Signature]	7/27	10:56	S	U				<input type="checkbox"/>	<input type="checkbox"/>
B-C-4 (9.5-11.5)	7/27	[Signature]	[Signature]	7/27	10:57	S	U				<input type="checkbox"/>	<input type="checkbox"/>

Requested Turnaround Time:  7-Day  10-Day

Due Date: \_\_\_\_\_

Rush-Approval Required:  1-Day  3-Day  2-Day  4-Day

Data Delivery:  PDF  EXCEL

Other: \_\_\_\_\_

CLP Like Data Pkg Required:

Email To: \_\_\_\_\_

Fax To #: \_\_\_\_\_

Special Requirements:  MA MCP Required  MA State DW Required

MCP Certification Form Required:

CT RCP Required:

RCP Certification Form Required:

PWSID #: \_\_\_\_\_

Project Entity:  Government  Federal  City  Municipality  21 J  Brownfield  MWRA  School  MBTA  WRTA  Chromatogram  AIMA-LAP, LLC

Other:

PCB ONLY:  Soxhlet  Non Soxhlet

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown



Comments: **Samples w/ NO analyses checked to be held**

Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/27

Received by: (signature) \_\_\_\_\_ Date/Time: 7/27/18 1545

Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/27/18 1945

Received by: (signature) \_\_\_\_\_ Date/Time: 7/27/18 1945

Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/27/18 1945

Received by: (signature) \_\_\_\_\_ Date/Time: 7/27/18 1945



186-1210

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 39 Spruce Street  
 East Longmeadow, MA 01028

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**Company Name:** \_\_\_\_\_  
**Address:** \_\_\_\_\_  
**Phone:** \_\_\_\_\_  
**Project Name:** \_\_\_\_\_  
**Project Location:** \_\_\_\_\_  
**Project Number:** \_\_\_\_\_  
**Project Manager:** \_\_\_\_\_  
**Con-Test Quote Name/Number:** \_\_\_\_\_  
**Invoice Recipient:** \_\_\_\_\_  
**Sampled By:** \_\_\_\_\_

**Requested Turnaround Time:**  
 7-Day  10-Day   
 Due Date: \_\_\_\_\_

**Rush-Approval Required:**  
 1-Day  3-Day   
 2-Day  4-Day   
**Data Delivery:**  
 Format: PDF  EXCEL   
 Other: \_\_\_\_\_  
 CLP Like Data Pkg Required:   
 Email To: \_\_\_\_\_  
 Fax To #: \_\_\_\_\_

Con-Test Sample Group	Date/Time	Sample ID	Matrix	Preservation	Analysis Requested	Filter
B-C-3 (0-0.5)	7/27 11:15		S	U		
B-C-3 (0.5-1.5)	7/27 11:16		S	U		
B-C-3 (1.5-2.5)	7/27 11:17		S	U		
B-C-3 (2.5-3.5)	7/27 11:19		S	U		
B-C-3 (3.5-5.5)	7/27 11:20		S	U		
B-C-3 (5.5-7.5)	7/27 11:21		S	U		
B-C-3 (7.5-9.5)	7/27 11:22		S	U		
B-C-3 (9.5-11.5)	7/27 11:30		S	U		
B-C-2 (0-0.5)	7/27 11:31		S	U		
B-C-2 (0.5-1.5)	7/27 11:31		S	U		

**Comments:** Tompa w/ no checked analyses checked to see he had

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

**1 Matrix Codes:**  
 GW = Ground Water  
 WW = Wastewater  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

**2 Preservation Codes:**  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

**3 Container Codes:**  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

**PCB ONLY**  
 Soxhlet  
 Non Soxhlet

**Special Requirements:**  
 MA MCP Required   
 MCP Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 MA State DW Required   
 PWSID # \_\_\_\_\_

**Detection Limit Requirements:**  
 MA   
 CT   
 Other

**Project Entity:**  
 Government  
 Federal  
 City  
 Municipality  
 21 J  
 Brownfield  
 MWRA  
 School  
 MBTA  
 WRTA  
 Chromatogram  
 AIHA-LAP, LLC

**con-test ANALYTICAL LABORATORY**  
 www.contestlabs.com

**Reinquished by:** (signature) \_\_\_\_\_ Date/Time: 7/27 15:45  
**Received by:** (signature) \_\_\_\_\_ Date/Time: 7/27/18 19:45  
**Reinquished by:** (signature) \_\_\_\_\_ Date/Time: 7/27/18 19:45  
**Received by:** (signature) \_\_\_\_\_ Date/Time: 7/27/18 19:45  
**Reinquished by:** (signature) \_\_\_\_\_ Date/Time: 7/27/18 19:45  
**Received by:** (signature) \_\_\_\_\_ Date/Time: 7/27/18 19:45

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180-1210



**Company Name:** [Redacted]  
**Address:** [Redacted]  
**Phone:** [Redacted]  
**Project Name:** Lansing Park  
**Project Location:** [Redacted]  
**Project Number:** [Redacted]  
**Project Manager:** [Redacted]  
**Con-Test Quote Name/Number:** [Redacted]  
**Invoice Recipient:** [Redacted]  
**Sampled By:** [Redacted]

Con-Test Work Order #	Con-Test Sample ID / Description	Quantity	Matrix	Preservation	Filtering	Analysis Requested	Special Requirements	Remarks
48	B-D-2 (2.S-3.0)	7/27	S	11:48				
49	B-D-2 (3.S-5.5)		S	11:48				
50	B-D-2 (5.S-7.5)		S	11:50				
51	B-D-2 (7.S-9.5)		S	11:51				
	B-D-2 (9.S-11.5)		S	11:52				
	B-D-3 (0.O-1)		S	12:10				
	B-D-3 (0.S-1.5)		S	12:11				
	B-D-3 (1.S-2.5)		S	12:12				
	B-D-3 (2.S-3.5)		S	12:13				
	B-D-3 (3.S-5.5)		S	12:14				

Comments: Samples w/ no checked analyses to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

**Relinquished by:** (signature) [Signature] Date/Time: 7/24

**Received by:** (signature) [Signature] Date/Time: 7/27/18 15:45

**Transported by:** (signature) [Signature] Date/Time: 7/27/18 19:45

**Delivered by:** (signature) [Signature] Date/Time: 7/27/18 19:45

**Received by:** (signature) [Signature] Date/Time: 7/27/18 19:45

**Project Entity:**  Government  Federal  City  Municipality  21 J  Brownfield  MMRA  School  MBTA  WRTA  Chromatogram  A/HA-LAP, LLC

**Other:**

**Special Requirements:**  
 MA MCP Required:   
 MCP Certification Form Required:   
 CT RCP Required:   
 RCP Certification Form Required:   
 MA State DW Required:   
 PWSID #: [Redacted]





1861210  
Company Name: Tommy PSH  
Address:  
Phone:  
Project Name:  
Project Location:  
Project Number:  
Project Manager:  
Con-Test Quote Name/Number:  
Invoice Recipient:  
Sampled By:

Requested Turnaround Time:  
7-Day  10-Day   
Due Date:  
Push Approval Required:  
1-Day  3-Day   
2-Day  4-Day   
Data Delivery:  
Format: PDF  EXCEL   
Other:  
CLP Like Data Pkg Required:   
Email To:  
Fax To #:

Con-Test Work Order #	Project Name/Location	Sample Date/Time	Analysis Requested	Matrix Code	Preservation Code	Container Code	# of Containers
53	B-D-3 (S.S-7.5)	7/27 12:15	S U	GW			
54	B-D-3 (7.5-9.5)	12:16		WW			
55	B-D-3 (9.5-11.5)	12:17		AW			
	B-D-4 (0-0.5)	12:30		A			
	B-D-4 (0.5-1.5)	12:31		SL			
	B-D-4 (1.5-2.5)	12:32		S			
	B-D-4 (2.5-3.5)	12:33		SL			
	B-D-4 (3.5-5.5)	12:34		S			
	B-D-4 (5.5-7.5)	12:35		B			
	B-D-4 (7.5-9.5)	12:36		X			

- 1 Matrix Codes:**  
GW = Ground Water  
WW = Waste Water  
DW = Drinking Water  
A = Air  
S = Soil  
SL = Sludge  
SOL = Solid  
O = Other (please define)
- 2 Preservation Codes:**  
I = Iced  
H = HCL  
M = Methanol  
N = Nitric Acid  
S = Sulfuric Acid  
B = Sodium Bisulfate  
X = Sodium Hydroxide  
T = Sodium Thiosulfate  
O = Other (please define)
- 3 Container Codes:**  
A = Amber Glass  
G = Glass  
P = Plastic  
ST = Sterile  
V = Vial  
S = Summa Canister  
T = Tedlar Bag  
O = Other (please define)
- PCBS (Soxhlet)**  
**Lead**

Requested Turnaround Time:  
7-Day  10-Day   
Due Date:  
Push Approval Required:  
1-Day  3-Day   
2-Day  4-Day   
Data Delivery:  
Format: PDF  EXCEL   
Other:  
CLP Like Data Pkg Required:   
Email To:  
Fax To #:

Special Requirements:  
MA MCP Required   
MCP Certification Form Required   
CT RCP Required   
RCP Certification Form Required   
MA State DW Required   
PWSID #

Project Entity:  
Government  Municipality  Other   
Federal  21 J  WRTA   
City  Brownfield  School   
MWRA  MBTA

Chromatogram   
AIHA-LAP, LLC

PCB ONLY:  
 Soxhlet  
 Non Soxhlet

Comments:  
Samples w/no analyses checked to be held

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time	Relinquished by (Signature)	Date/Time
<i>[Signature]</i>	7/27/18 15:45	<i>[Signature]</i>	7/27/18 15:45	<i>[Signature]</i>	7/27/18 19:45
<i>[Signature]</i>	7/27/18 19:45	<i>[Signature]</i>	7/27/18 19:45	<i>[Signature]</i>	7/27/18 19:45



CHAIN OF CUSTODY RECORD

180-1210

Phone: 413-525-2332  
Fax: 413-525-6405  
Email: info@contestlabs.com



Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_

Project Name: Conduity Park

Project Location: \_\_\_\_\_

Project Number: \_\_\_\_\_

Project Manager: \_\_\_\_\_

Con-Test Quote Name/Number: \_\_\_\_\_

Invoice Recipient: \_\_\_\_\_

Sampled By: \_\_\_\_\_

Con-Test Work Order #	Class Sample ID	Project Name	Project Location	Requested Turnaround Time	Due Date	Requested Turnaround Time	Due Date
59	B-D-4(9.5-11.5)	7/27	12:00	10-Day	10-Day	10-Day	10-Day
	B-D-5(0-0.5)	7/27	12:00	3-Day	3-Day	3-Day	3-Day
	B-D-5(0.5-1.5)	7/27	12:00	4-Day	4-Day	4-Day	4-Day
	B-D-5(1.5-2.5)	7/27	12:00	PDF	EXCEL	EXCEL	EXCEL
	B-D-5(2.5-3.5)	7/27	12:00	Other	Other	Other	Other
	B-D-5(3.5-5.5)	7/27	12:00	CLP Like Data Pkg Required:	CLP Like Data Pkg Required:	CLP Like Data Pkg Required:	CLP Like Data Pkg Required:
	B-D-5(5.5-7.5)	7/27	12:00	Email To:	Email To:	Email To:	Email To:
	B-D-5(7.5-9.5)	7/27	12:00	Fax To #:	Fax To #:	Fax To #:	Fax To #:
	B-D-5(9.5-11.5)	7/27	12:00				
	B-C-5-4(0-0.5)	7/27	13:00				

Comments:

Samples w/ no checked analyses to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 7/27
Received by: (signature)	Date/Time: 7/27/18 4:54
Relinquished by: (signature)	Date/Time: 7/27/18 19:15
Received by: (signature)	Date/Time: 7/27/18 4:6 3:3
Relinquished by: (signature)	Date/Time: 7/27/18 19:15
Received by: (signature)	Date/Time: _____

Detection Limit Requirements	Special Requirements
MA	MA MCP Required
	MCP Certification Form Required
CT	CT RCP Required
	RCP Certification Form Required
Other	MA State DW Required
	PWSID #



Project Entity

Government  
 Federal  
 City

Municipality  
 21 J  
 Brownfield

MWRA  
 School  
 MBTA

WRTA  
 Chromatogram  
 AIHA-LAP, LLC

PCB ONLY

Soxhlet  
 Non Soxhlet

1861210

Phone: 413-525-2332

Fax: 413-525-6405

Email: info@contestlabs.com



**Requested Turnaround Time**  
 7-Day  10-Day   
 Due Date: \_\_\_\_\_

**Fast-Approval Required**  
 1-Day  3-Day   
 2-Day  4-Day   
**Data Delivery**  
 Format: PDF  EXCEL   
 Other: \_\_\_\_\_  
 CLP Like Data Pkg Required:   
 Email To: \_\_\_\_\_  
 Fax To #: \_\_\_\_\_

**ANALYSIS REQUESTED**

**# of Containers** \_\_\_\_\_

**Preservation Code** \_\_\_\_\_

**Container Code** \_\_\_\_\_

**Dissolved Metals Samples**  
 Field Filtered  
 Lab to Filter

**Organophosphate Samples**  
 Field Filtered  
 Lab to Filter

**Matrix Codes:**  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

**Preservation Codes:**  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

**Container Codes:**  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

**PCB ONLY**  
 Soxhlet  
 Non Soxhlet

Con-Test Work Order #	Client Sample ID / Description	Analysis Requested	Special Requirements	Project Entity	MA State DW Required
	B-C-5-4 (0.5-1.5)	7/27	MA	Government	<input type="checkbox"/>
	B-C-5-4 (1.5-2.5)		MA	Federal	<input type="checkbox"/>
	B-C-5-4 (2.5-3.5)		MA	City	<input type="checkbox"/>
	B-C-5-4 (3.5-5.5)		MA	Municipality	<input type="checkbox"/>
	B-C-5-4 (5.5-7.5)		MA	MWRA	<input type="checkbox"/>
	B-C-5-4 (7.5-9.5)		MA	School	<input type="checkbox"/>
	B-C-5-4 (9.5-11.5)		MA	MBTA	<input type="checkbox"/>
	B-C-5-4 (11.5-13.5)		MA	Other	<input type="checkbox"/>
	B-B-2 (0.0.5)		MA		<input type="checkbox"/>
	B-B-2 (0.5-1.5)		MA		<input type="checkbox"/>

**Comments:**  
 Samples w/ no analytes cleaned + sealed per se

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

**Relinquished by:** (signature) \_\_\_\_\_ Date/Time: 7/27/18

**Received by:** (signature) \_\_\_\_\_ Date/Time: 7/27/18

**Quished by:** (signature) \_\_\_\_\_ Date/Time: 7/27/18

**Used by:** (signature) \_\_\_\_\_ Date/Time: 28.4.4.31/18

**Quished by:** (signature) \_\_\_\_\_ Date/Time: 7/27/18

**Used by:** (signature) \_\_\_\_\_ Date/Time: 7/27/18

**Special Requirements:**  
 MA MCP Required   
 MCP Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 MA State DW Required

**Project Entity:**  
 Government  Federal  City   
 Municipality  21 J  Brownfield   
 MWRA  School  MBTA   
 WRTA  Chromatogram  AIHA-LAP, LLC

**Other:** \_\_\_\_\_









1809210  
 Phone: 413-525-2332  
 Fax: 413-525-6405  
 Email: info@contestlabs.com

Doc # 381 Rev 1\_03242017

39 Spruce Street  
 East Longmeadow, MA 01028

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Requested Turnaround Time  
 7-Day  10-Day   
 Due Date: \_\_\_\_\_  
 Rush Approval Required  
 1-Day  3-Day   
 2-Day  4-Day   
 Data Delivery  
 Format: PDF  EXCEL   
 Other: \_\_\_\_\_  
 CLP Like Data Pkg Required:   
 Email To: \_\_\_\_\_  
 Fax To #: \_\_\_\_\_

Company Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Project Name: Conway  
 Project Location: \_\_\_\_\_  
 Project Number: \_\_\_\_\_  
 Project Manager: \_\_\_\_\_  
 Con-Test Quote Name/Number: \_\_\_\_\_  
 Invoice Recipient: \_\_\_\_\_  
 Sampled By: \_\_\_\_\_

Con-Test Work Order #	Sample ID	Matrix	Analysis Requested	Preservation Code	# of Containers
830	B-B-4 (2.5-3.5)	Soil	Lead		
831	B-B-4 (3.5-5.5)	Soil	PCBs (Soxhlet)		
832	B-B-4 (5.5-7.5)	Soil			
833	B-B-4 (7.5-9.5)	Soil			
	B-B-4 (9.5-11.5)	Soil			
	B-B-5 (0-0.5)	Soil			
	B-B-5 (0.5-1.5)	Soil			
	B-B-5 (1.5-2.5)	Soil			
	B-B-5 (2.5-3.5)	Soil			
	B-B-5 (3.5-5.5)	Soil			

Requested Turnaround Time  
 7-Day  10-Day   
 Due Date: \_\_\_\_\_  
 Rush Approval Required  
 1-Day  3-Day   
 2-Day  4-Day   
 Data Delivery  
 Format: PDF  EXCEL   
 Other: \_\_\_\_\_  
 CLP Like Data Pkg Required:   
 Email To: \_\_\_\_\_  
 Fax To #: \_\_\_\_\_

1 Matrix Codes:  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

2 Preservation Codes:  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

3 Container Codes:  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Teflon Bag  
 O = Other (please define)

4 Container Codes:  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Teflon Bag  
 O = Other (please define)

5 PCB ONLY  
 Soxhlet  
 Non Soxhlet

Special Requirements  
 MA MCP Required   
 MCP Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 MA State DW Required   
 PWSID # \_\_\_\_\_

Detection Limit Requirements  
 MA   
 CT   
 Other

Project Entity  
 Government  
 Federal  
 City  
 Municipality  
 21 J  
 Brownfield  
 WRTA  
 MWRA  
 School  
 MBTA  
 Chromatogram  
 AIHA-LAP, LLC  
 Other \_\_\_\_\_

Reinquired by: (signature) \_\_\_\_\_ Date/Time: 7/27  
 Reinquired by: (signature) \_\_\_\_\_ Date/Time: 7/27/18 15:45  
 Reinquired by: (signature) \_\_\_\_\_ Date/Time: 7/27/18 5:46  
 Reinquired by: (signature) \_\_\_\_\_ Date/Time: 7/27/18 19:58  
 Reinquired by: (signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Reinquired by: (signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments:  
 Samples w/ no checked analyses to be sold













**con-test**  
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False**

Client Weston + Sampson

Received By RAP Date 7/27/18 Time 1945

How were the samples received? In Cooler T No Cooler \_\_\_\_\_ On Ice + No Ice \_\_\_\_\_  
 Direct from Sampling \_\_\_\_\_ Ambient \_\_\_\_\_ Melted Ice \_\_\_\_\_

Were samples within Temperature? 2-6°C T By Gun # 8 Actual Temp - 28/4.6/3.3  
 By Blank # \_\_\_\_\_ Actual Temp - \_\_\_\_\_

Was Custody Seal Intact? NA Were Samples Tampered with? NA  
 Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent information? Client T Analysis T Sampler Name T  
 Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? \_\_\_\_\_  
 Are there Rushes? F Who was notified? \_\_\_\_\_  
 Are there Short Holds? F Who was notified? \_\_\_\_\_

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F  
 Proper Media/Containers Used? T Is splitting samples required? F  
 Were trip blanks received? F On COC? F

Do all samples have the proper pH? NA Acid \_\_\_\_\_ Base \_\_\_\_\_

Vials	#	Containers	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

**Unused Media**

Vials	#	Containers	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

**Comments:**

Samples received in 3 coolers.

**Meghan Kelley**

---

**From:** Smith, Taylor  
**Sent:** Tuesday, August 07, 2018 10:26 AM  
**To:** Meghan Kelley  
**Cc:** Spencer, Joseph  
**Subject:** Releasing samples

Meghan-

Can you release the following samples for PCB analysis:

WO#: 18G1035  
B-L-8 (2.5-3.5)

WO#: 18G1206  
B-C-2 (3.5-5.5)  
B-C-2 (5.5-7.5)  
B-D-2 (3.5-5.5)  
B-D-2 (5.5-7.5)  
B-D-3 (3.5-5.5)  
B-D-3 (5.5-7.5)  
B-D-4 (3.5-5.5)  
B-D-4 (5.5-7.5)  
B-D-5 (3.5-5.5)  
B-D-5 (5.5-7.5)

WO#: 18G1207  
B-C.5-4 (3.5-5.5)  
B-C.5-4 (5.5-7.5)  
B-B-4 (3.5-5.5)  
B-B-4 (5.5-7.5)  
B-B-5 (3.5-5.5)  
B-B-5 (5.5-7.5)

WO#: 18G1205  
B-C-4.5 (3.5-5.5)  
B-C-4.5 (5.5-7.5)  
B-C-4 (3.5-5.5)  
B-C-4 (5.5-7.5)  
B-C-3.5 (3.5-5.5)  
B-C-3.5 (5.5-7.5)  
B-C-3 (3.5-5.5)  
B-C-3 (5.5-7.5)  
B-C-2 (3.5-5.5)  
B-C-2 (5.5-7.5)

WO#: 18G1204  
B-C-5 (3.5-5.5)  
B-C-5 (5.5-7.5)

Let me know if you have any questions and thanks!

**Taylor Smith**

ENVIRONMENTAL SCIENTIST  
direct: 978-977-0110 x2222  
cell: 978-854-2413



Weston & Sampson  
5 Centennial Drive | Peabody, MA 01960 (HQ)  
tel: 978-532-1900  
westonandsampson.com

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## REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

**Laboratory Name:** Con-Test Analytical Laboratory

**Client:** Weston & Sampson Engineers MA

**Project Location:** Conway Park., Somerville, MA

**Project Number:** 18G1210

**Laboratory Sample ID(s):**

**Sample Date(s):**

18G1210-01 thru 18G1210-AC

07/27/2018

*List RCP Methods Used:*

SW-846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1A	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5A	Were reporting limits specified or referenced on the chain-of-custody?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5B	Were these reporting limits met?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

Lisa A. Worthington

This form may not be altered and all questions must be answered.

**I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.**

**Authorized Signature:**

*Lisa A. Worthington*

**Position:** Project Manager

**Printed Name:** Lisa A. Worthington

**Date:** 08/15/18

**Name of Laboratory:** Con-Test Analytical Laboratory

**This certification form is to be used for RCP methods only.**



## REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

**Laboratory Name:** Con-Test Analytical Laboratory

**Client:** Weston & Sampson Engineers MA

**Project Location:** Conway Park., Somerville, MA

**Project Number:** 18G1210

**Laboratory Sample ID(s):**

**Sample Date(s):**

18G1210-01 thru 18G1210-AC

07/27/2018

**List RCP Methods Used:**

SW-846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1A	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5A	Were reporting limits specified or referenced on the chain-of-custody?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5B	Were these reporting limits met?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

Lisa A. Worthington

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**I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.**

**Authorized Signature:**

*Lisa A. Worthington*

**Position:** Project Manager

**Printed Name:** Lisa A. Worthington

**Date:** 08/15/18

**Name of Laboratory:** Con-Test Analytical Laboratory

**This certification form is to be used for RCP methods only.**



September 4, 2018

Taylor Smith  
Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960

Project Location: Conway Park., Somerville, MA  
Client Job Number:  
Project Number: [none]  
Laboratory Work Order Number: 18G1210

Enclosed are results of analyses for samples received by the laboratory on July 27, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Meghan E. Kelley". The signature is written in a cursive style with a large, sweeping flourish at the end.

Meghan E. Kelley  
Project Manager

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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 9/4/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1210

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-E-11 (3.5-5.5)	18G1210-01	Soil		SM 2540G SW-846 8082A	
B-E-11 (5.5-7.5)	18G1210-02	Soil		SM 2540G SW-846 8082A	
B-E-11 (7.5-9.5)	18G1210-03	Soil		SM 2540G SW-846 8082A	
B-E-11 (9.5-11.5)	18G1210-04	Soil		SM 2540G SW-846 8082A	
B-E-11 (11.5-13.5)	18G1210-05	Soil		SM 2540G SW-846 8082A	
B-C-11 (3.5-5.5)	18G1210-06	Soil		SM 2540G SW-846 8082A	
B-C-11 (5.5-7.5)	18G1210-07	Soil		SM 2540G SW-846 8082A	
B-C-11 (7.5-9.5)	18G1210-08	Soil		SM 2540G SW-846 8082A	
B-C-11 (9.5-11.5)	18G1210-09	Soil		SM 2540G SW-846 8082A	
B-C-9 (3.5-5.5)	18G1210-10	Soil		SM 2540G SW-846 8082A	
B-C-9 (5.5-7.5)	18G1210-11	Soil		SM 2540G SW-846 8082A	
B-C-9 (7.5-9.5)	18G1210-12	Soil		SM 2540G SW-846 8082A	
B-C-9 (9.5-11.5)	18G1210-13	Soil		SM 2540G SW-846 8082A	
B-C-9 (11.5-13.5)	18G1210-14	Soil		SM 2540G SW-846 8082A	
B-C-7 (3.5-5.5)	18G1210-15	Soil		SM 2540G SW-846 8082A	
B-C-7 (5.5-7.5)	18G1210-16	Soil		SM 2540G SW-846 8082A	
B-C-7 (7.5-9.5)	18G1210-17	Soil		SM 2540G SW-846 8082A	
B-C-7 (9.5-11.5)	18G1210-18	Soil		SM 2540G SW-846 8082A	
B-C-5 (3.5-5.5)	18G1210-19	Soil		SM 2540G SW-846 8082A	
B-C-5 (5.5-7.5)	18G1210-20	Soil		SM 2540G SW-846 8082A	

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Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 9/4/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1210

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-C-5 (7.5-9.5)	18G1210-21	Soil		SM 2540G SW-846 8082A	
B-C-5 (9.5-11.5)	18G1210-22	Soil		SM 2540G SW-846 8082A	
B-C-5 (11.5-13.5)	18G1210-23	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-C-4.5 (3.5-5.5)	18G1210-24	Soil		SM 2540G SW-846 8082A	
B-C-4.5 (5.5-7.5)	18G1210-25	Soil		SM 2540G SW-846 8082A	
B-C-4.5 (7.5-9.5)	18G1210-26	Soil		SM 2540G SW-846 8082A	
B-C-4.5 (9.5-11.5)	18G1210-27	Soil		SM 2540G SW-846 8082A	
B-C-4.5 (11.5-13.5)	18G1210-28	Soil		SM 2540G SW-846 8082A	
B-C-4 (3.5-5.5)	18G1210-29	Soil		SM 2540G SW-846 8082A	
B-C-4 (5.5-7.5)	18G1210-30	Soil		SM 2540G SW-846 8082A	
B-C-4 (7.5-9.5)	18G1210-31	Soil		SM 2540G SW-846 8082A	
B-C-4 (9.5-11.5)	18G1210-32	Soil		SM 2540G SW-846 8082A	
B-C-9 (11.5-13.5)	18G1210-33	Soil		SM 2540G SW-846 8082A	
B-C-3.5 (3.5-5.5)	18G1210-34	Soil		SM 2540G SW-846 8082A	
B-C-3.5 (5.5-7.5)	18G1210-35	Soil		SM 2540G SW-846 8082A	
B-C-3.5 (7.5-9.5)	18G1210-36	Soil		SM 2540G SW-846 8082A	
B-C-3.5 (9.5-11.5)	18G1210-37	Soil		SM 2540G SW-846 8082A	
B-C-3.5 (11.5-13.5)	18G1210-38	Soil		SM 2540G SW-846 8082A	
B-C-3 (3.5-5.5)	18G1210-39	Soil		SM 2540G SW-846 8082A	
B-C-3 (5.5-7.5)	18G1210-40	Soil		SM 2540G SW-846 8082A	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 9/4/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1210

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-C-3 (7.5-9.5)	18G1210-41	Soil		SM 2540G SW-846 8082A	
B-C-3 (9.5-11.5)	18G1210-42	Soil		SM 2540G SW-846 8082A	
B-C-2 (3.5-5.5)	18G1210-43	Soil		SM 2540G SW-846 8082A	
B-C-2 (5.5-7.5)	18G1210-44	Soil		SM 2540G SW-846 8082A	
B-C-2 (7.5-9.5)	18G1210-45	Soil		SM 2540G SW-846 8082A	
B-C-2 (9.5-11.5)	18G1210-46	Soil		SM 2540G SW-846 8082A	
B-C-2 (11.5-13.5)	18G1210-47	Soil		SM 2540G SW-846 8082A	
B-D-2 (3.5-5.5)	18G1210-48	Soil		SM 2540G SW-846 8082A	
B-D-2 (5.5-7.5)	18G1210-49	Soil		SM 2540G SW-846 8082A	
B-D-2 (7.5-9.5)	18G1210-50	Soil		SM 2540G SW-846 8082A	
B-D-2 (9.5-11.5)	18G1210-51	Soil		SM 2540G SW-846 8082A	
B-D-3 (3.5-5.5)	18G1210-52	Soil		SM 2540G SW-846 8082A	
B-D-3 (5.5-7.5)	18G1210-53	Soil		SM 2540G SW-846 8082A	
B-D-3 (7.5-9.5)	18G1210-54	Soil		SM 2540G SW-846 8082A	
B-D-3 (9.-11.5)	18G1210-55	Soil		SM 2540G SW-846 8082A	
B-D-4 (3.5-5.5)	18G1210-56	Soil		SM 2540G SW-846 8082A	
B-D-4 (5.5-7.5)	18G1210-57	Soil		SM 2540G SW-846 8082A	
B-D-4 (7.5-9.5)	18G1210-58	Soil		SW-846 8082A	
B-D-4 (9.5-11.5)	18G1210-59	Soil		SM 2540G SW-846 8082A	
B-D-5 (3.5-5.5)	18G1210-60	Soil		SM 2540G SW-846 8082A	
B-D-5 (5.5-7.5)	18G1210-61	Soil		SM 2540G SW-846 8082A	

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 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 9/4/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1210

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-D-5 (7.5-9.5)	18G1210-62	Soil		SM 2540G SW-846 8082A	
B-D-5 (9.5-11.5)	18G1210-63	Soil		SM 2540G SW-846 8082A	
B-C.5-4 (3.5-5.5)	18G1210-64	Soil		SM 2540G SW-846 8082A	
B-C.5-4 (5.5-7.5)	18G1210-65	Soil		SM 2540G SW-846 8082A	
B-C.5-4 (7.5-9.5)	18G1210-66	Soil		SM 2540G SW-846 8082A	
B-C.5-4 (9.5-11.5)	18G1210-67	Soil		SM 2540G SW-846 8082A	
B-C.5-4 (11.5-13.5)	18G1210-68	Soil		SM 2540G SW-846 8082A	
B-B-2 (3.5-5.5)	18G1210-69	Soil		SM 2540G SW-846 8082A	
B-B-2 (5.5-7.5)	18G1210-70	Soil		SM 2540G SW-846 8082A	
B-B-2 (7.5-9.5)	18G1210-71	Soil		SM 2540G SW-846 8082A	
B-B-2 (9.5-11.5)	18G1210-72	Soil		SM 2540G SW-846 8082A	
B-B-2 (11.5-13.5)	18G1210-73	Soil		SM 2540G SW-846 8082A	
B-B-2 (13.5-15.5)	18G1210-74	Soil		SM 2540G SW-846 8082A	
B-B-3 (3.5-5.5)	18G1210-75	Soil		SM 2540G SW-846 8082A	
B-B-3 (5.5-7.5)	18G1210-76	Soil		SM 2540G SW-846 8082A	
B-B-3 (7.5-9.5)	18G1210-77	Soil		SM 2540G SW-846 8082A	
B-B-3 (9.5-11.5)	18G1210-78	Soil		SM 2540G SW-846 8082A	
B-B-3 (11.5-13.5)	18G1210-79	Soil		SM 2540G SW-846 8082A	
B-B-4 (3.5-5.5)	18G1210-80	Soil		SM 2540G SW-846 8082A	
B-B-4 (5.5-7.5)	18G1210-81	Soil		SM 2540G SW-846 8082A	

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 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 9/4/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1210

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-B-4 (7.5-9.5)	18G1210-82	Soil		SM 2540G SW-846 8082A	
B-B-4 (9.5-11.5)	18G1210-83	Soil		SM 2540G SW-846 8082A	
B-B-5 (3.5-5.5)	18G1210-84	Soil		SM 2540G SW-846 8082A	
B-B-5 (5.5-7.5)	18G1210-85	Soil		SM 2540G SW-846 8082A	
B-B-5 (7.5-9.5)	18G1210-86	Soil		SM 2540G SW-846 8082A	
B-B-5 (9.5-11.5)	18G1210-87	Soil		SM 2540G SW-846 8082A	
B-B.5-4 (3.5-5.5)	18G1210-88	Soil		SM 2540G SW-846 8082A	
B-B.5-4 (5.5-7.5)	18G1210-89	Soil		SM 2540G SW-846 8082A	
B-B.5-4 (7.5-9.5)	18G1210-90	Soil		SM 2540G SW-846 8082A	
B-B.5-4 (9.5-11.5)	18G1210-91	Soil		SM 2540G SW-846 8082A	
B-A-9 (3.5-5.5)	18G1210-92	Soil		SM 2540G SW-846 8082A	
B-A-9 (5.5-7.5)	18G1210-93	Soil		SM 2540G SW-846 8082A	
B-A-9 (7.5-9.5)	18G1210-94	Soil		SM 2540G SW-846 8082A	
B-A-9 (9.5-11.5)	18G1210-95	Soil		SM 2540G SW-846 8082A	
B-A-9 (11.5-13.5)	18G1210-96	Soil		SM 2540G SW-846 8082A	
B-A-7 (3.5-5.5)	18G1210-97	Soil		SM 2540G SW-846 8082A	
B-A-7 (5.5-7.5)	18G1210-98	Soil		SM 2540G SW-846 8082A	
B-A-7 (7.5-9.5)	18G1210-99	Soil		SM 2540G SW-846 8082A	
B-A-7 (9.5-11.5)	18G1210-AA	Soil		SM 2540G SW-846 8082A	
B-A-7 (11.5-13.5)	18G1210-AB	Soil		SM 2540G SW-846 8082A	

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ATTN: Taylor Smith

REPORT DATE: 9/4/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

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WORK ORDER NUMBER: 18G1210

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-A-7 (13.5-15.5)	18G1210-AC	Soil		SM 2540G SW-846 8082A	

**CASE NARRATIVE SUMMARY**

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 6010, only lead was requested and reported.

**Qualifications:****MS-21**

Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.

**Analyte & Samples(s) Qualified:****Aroclor-1260**

B209740-MS1, B209740-MSD1

**O-32**

A dilution was performed as part of the standard analytical procedure.

**Analyte & Samples(s) Qualified:**

18G1210-07[B-C-11 (5.5-7.5)], 18G1210-08[B-C-11 (7.5-9.5)], 18G1210-11[B-C-9 (5.5-7.5)], 18G1210-12[B-C-9 (7.5-9.5)], 18G1210-13[B-C-9 (9.5-11.5)], 18G1210-14[B-C-9 (11.5-13.5)], 18G1210-18[B-C-7 (9.5-11.5)], 18G1210-21[B-C-5 (7.5-9.5)], 18G1210-42[B-C-3 (9.5-11.5)], 18G1210-44[B-C-2 (5.5-7.5)], 18G1210-45[B-C-2 (7.5-9.5)], 18G1210-46[B-C-2 (9.5-11.5)], 18G1210-47[B-C-2 (11.5-13.5)], 18G1210-50RE1[B-D-2 (7.5-9.5)], 18G1210-51[B-D-2 (9.5-11.5)], 18G1210-54[B-D-3 (7.5-9.5)], 18G1210-58[B-D-4 (7.5-9.5)], 18G1210-59[B-D-4 (9.5-11.5)], 18G1210-66[B-C-5-4 (7.5-9.5)], 18G1210-68[B-C-5-4 (11.5-13.5)], 18G1210-71[B-B-2 (7.5-9.5)], 18G1210-72[B-B-2 (9.5-11.5)], 18G1210-73[B-B-2 (11.5-13.5)], 18G1210-74[B-B-2 (13.5-15.5)], 18G1210-77[B-B-3 (7.5-9.5)], 18G1210-78[B-B-3 (9.5-11.5)], 18G1210-79[B-B-3 (11.5-13.5)], 18G1210-82[B-B-4 (7.5-9.5)], 18G1210-83[B-B-4 (9.5-11.5)], 18G1210-85[B-B-5 (5.5-7.5)], 18G1210-86[B-B-5 (7.5-9.5)], 18G1210-87[B-B-5 (9.5-11.5)], 18G1210-88[B-B-5-4 (3.5-5.5)], 18G1210-99[B-A-7 (7.5-9.5)], 18G1210-AA[B-A-7 (9.5-11.5)], 18G1210-AB[B-A-7 (11.5-13.5)], 18G1210-AC[B-A-7 (13.5-15.5)]

**P-01**

Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.

**Analyte & Samples(s) Qualified:****Aroclor-1254**

18G1210-97[B-A-7 (3.5-5.5)]

**S-01**

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**Analyte & Samples(s) Qualified:****Decachlorobiphenyl**

18G1210-09[B-C-11 (9.5-11.5)], 18G1210-16[B-C-7 (5.5-7.5)], 18G1210-20[B-C-5 (5.5-7.5)], 18G1210-24[B-C-4.5 (3.5-5.5)], 18G1210-25[B-C-4.5 (5.5-7.5)], 18G1210-29[B-C-4 (3.5-5.5)], 18G1210-30[B-C-4 (5.5-7.5)], 18G1210-34[B-C-3.5 (3.5-5.5)], 18G1210-35[B-C-3.5 (5.5-7.5)], 18G1210-39[B-C-3 (3.5-5.5)], 18G1210-48[B-D-2 (3.5-5.5)], 18G1210-49[B-D-2 (5.5-7.5)], 18G1210-56[B-D-4 (3.5-5.5)], 18G1210-57[B-D-4 (5.5-7.5)], 18G1210-60[B-D-5 (3.5-5.5)], 18G1210-61[B-D-5 (5.5-7.5)], 18G1210-75[B-B-3 (3.5-5.5)], 18G1210-90[B-B-5-4 (7.5-9.5)], 18G1210-91[B-B-5-4 (9.5-11.5)]

**Decachlorobiphenyl [2C]**

18G1210-09[B-C-11 (9.5-11.5)], 18G1210-16[B-C-7 (5.5-7.5)], 18G1210-20[B-C-5 (5.5-7.5)], 18G1210-24[B-C-4.5 (3.5-5.5)], 18G1210-25[B-C-4.5 (5.5-7.5)], 18G1210-29[B-C-4 (3.5-5.5)], 18G1210-30[B-C-4 (5.5-7.5)], 18G1210-34[B-C-3.5 (3.5-5.5)], 18G1210-35[B-C-3.5 (5.5-7.5)], 18G1210-39[B-C-3 (3.5-5.5)], 18G1210-48[B-D-2 (3.5-5.5)], 18G1210-49[B-D-2 (5.5-7.5)], 18G1210-56[B-D-4 (3.5-5.5)], 18G1210-57[B-D-4 (5.5-7.5)], 18G1210-60[B-D-5 (3.5-5.5)], 18G1210-61[B-D-5 (5.5-7.5)], 18G1210-75[B-B-3 (3.5-5.5)], 18G1210-90[B-B-5-4 (7.5-9.5)], 18G1210-91[B-B-5-4 (9.5-11.5)]

**Tetrachloro-m-xylene**

18G1210-09[B-C-11 (9.5-11.5)], 18G1210-16[B-C-7 (5.5-7.5)], 18G1210-20[B-C-5 (5.5-7.5)], 18G1210-24[B-C-4.5 (3.5-5.5)], 18G1210-25[B-C-4.5 (5.5-7.5)], 18G1210-29[B-C-4 (3.5-5.5)], 18G1210-30[B-C-4 (5.5-7.5)], 18G1210-34[B-C-3.5 (3.5-5.5)], 18G1210-35[B-C-3.5 (5.5-7.5)], 18G1210-39[B-C-3 (3.5-5.5)], 18G1210-48[B-D-2 (3.5-5.5)], 18G1210-49[B-D-2 (5.5-7.5)], 18G1210-56[B-D-4 (3.5-5.5)], 18G1210-57[B-D-4 (5.5-7.5)], 18G1210-60[B-D-5 (3.5-5.5)], 18G1210-61[B-D-5 (5.5-7.5)], 18G1210-75[B-B-3 (3.5-5.5)], 18G1210-90[B-B-5-4 (7.5-9.5)], 18G1210-91[B-B-5-4 (9.5-11.5)]

**Tetrachloro-m-xylene [2C]**

18G1210-09[B-C-11 (9.5-11.5)], 18G1210-16[B-C-7 (5.5-7.5)], 18G1210-20[B-C-5 (5.5-7.5)], 18G1210-24[B-C-4.5 (3.5-5.5)], 18G1210-25[B-C-4.5 (5.5-7.5)], 18G1210-29[B-C-4 (3.5-5.5)], 18G1210-30[B-C-4 (5.5-7.5)], 18G1210-34[B-C-3.5 (3.5-5.5)], 18G1210-35[B-C-3.5 (5.5-7.5)], 18G1210-39[B-C-3 (3.5-5.5)], 18G1210-48[B-D-2 (3.5-5.5)], 18G1210-49[B-D-2 (5.5-7.5)], 18G1210-56[B-D-4 (3.5-5.5)], 18G1210-57[B-D-4 (5.5-7.5)], 18G1210-60[B-D-5 (3.5-5.5)], 18G1210-61[B-D-5 (5.5-7.5)], 18G1210-75[B-B-3 (3.5-5.5)], 18G1210-90[B-B-5-4 (7.5-9.5)], 18G1210-91[B-B-5-4 (9.5-11.5)]

**S-24**

Surrogate recovery is biased high due to the presence of Aroclor 1268 in the sample. Aroclor 1268 contains decachlorobiphenyl.

**Analyte & Samples(s) Qualified:****Decachlorobiphenyl**

18G1210-97[B-A-7 (3.5-5.5)], 18G1210-98[B-A-7 (5.5-7.5)]

**Decachlorobiphenyl [2C]**

18G1210-98[B-A-7 (5.5-7.5)]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Lisa A. Worthington", is written over a light gray rectangular background.

Lisa A. Worthington  
Project Manager

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-E-11 (3.5-5.5)

Sampled: 7/27/2018 08:29

Sample ID: 18G1210-01

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 19:51	KAL
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 19:51	KAL
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 19:51	KAL
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 19:51	KAL
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 19:51	KAL
Aroclor-1254 [1]	0.14	0.089	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 19:51	KAL
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 19:51	KAL
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 19:51	KAL
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 19:51	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		85.9	30-150					8/24/18 19:51	
Decachlorobiphenyl [2]		134	30-150					8/24/18 19:51	
Tetrachloro-m-xylene [1]		79.5	30-150					8/24/18 19:51	
Tetrachloro-m-xylene [2]		81.4	30-150					8/24/18 19:51	



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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-E-11 (3.5-5.5)

Sampled: 7/27/2018 08:29

Sample ID: 18G1210-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.8		% Wt	1		SM 2540G	8/31/18	9/1/18 8:46	JFC

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-E-11 (5.5-7.5)

Sampled: 7/27/2018 08:30

Sample ID: 18G1210-02

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 20:09	KAL
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 20:09	KAL
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 20:09	KAL
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 20:09	KAL
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 20:09	KAL
Aroclor-1254 [1]	0.54	0.086	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 20:09	KAL
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 20:09	KAL
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 20:09	KAL
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 20:09	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		87.1	30-150					8/24/18 20:09	
Decachlorobiphenyl [2]		108	30-150					8/24/18 20:09	
Tetrachloro-m-xylene [1]		84.8	30-150					8/24/18 20:09	
Tetrachloro-m-xylene [2]		84.9	30-150					8/24/18 20:09	

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-E-11 (5.5-7.5)

Sampled: 7/27/2018 08:30

Sample ID: 18G1210-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.3		% Wt	1		SM 2540G	8/31/18	9/1/18 8:47	JFC

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-E-11 (7.5-9.5)

Sampled: 7/27/2018 08:31

Sample ID: 18G1210-03

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 20:26	KAL
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 20:26	KAL
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 20:26	KAL
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 20:26	KAL
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 20:26	KAL
Aroclor-1254 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 20:26	KAL
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 20:26	KAL
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 20:26	KAL
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 20:26	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		86.3	30-150					8/24/18 20:26	
Decachlorobiphenyl [2]		96.4	30-150					8/24/18 20:26	
Tetrachloro-m-xylene [1]		86.9	30-150					8/24/18 20:26	
Tetrachloro-m-xylene [2]		87.0	30-150					8/24/18 20:26	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-E-11 (7.5-9.5)

Sampled: 7/27/2018 08:31

Sample ID: 18G1210-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.1		% Wt	1		SM 2540G	8/31/18	9/1/18 8:47	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-E-11 (9.5-11.5)

Sampled: 7/27/2018 08:32

Sample ID: 18G1210-04

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 20:43	KAL
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 20:43	KAL
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 20:43	KAL
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 20:43	KAL
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 20:43	KAL
Aroclor-1254 [1]	0.10	0.087	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 20:43	KAL
Aroclor-1260 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 20:43	KAL
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 20:43	KAL
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 20:43	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		85.9	30-150					8/24/18 20:43	
Decachlorobiphenyl [2]		102	30-150					8/24/18 20:43	
Tetrachloro-m-xylene [1]		87.5	30-150					8/24/18 20:43	
Tetrachloro-m-xylene [2]		86.8	30-150					8/24/18 20:43	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-E-11 (9.5-11.5)

Sampled: 7/27/2018 08:32

Sample ID: 18G1210-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.5		% Wt	1		SM 2540G	8/31/18	9/1/18 8:47	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-E-11 (11.5-13.5)

Sampled: 7/27/2018 08:33

Sample ID: 18G1210-05

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 21:01	KAL
Aroclor-1221 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 21:01	KAL
Aroclor-1232 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 21:01	KAL
Aroclor-1242 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 21:01	KAL
Aroclor-1248 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 21:01	KAL
Aroclor-1254 [1]	0.34	0.095	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 21:01	KAL
Aroclor-1260 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 21:01	KAL
Aroclor-1262 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 21:01	KAL
Aroclor-1268 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 21:01	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		87.1	30-150					8/24/18 21:01	
Decachlorobiphenyl [2]		107	30-150					8/24/18 21:01	
Tetrachloro-m-xylene [1]		88.4	30-150					8/24/18 21:01	
Tetrachloro-m-xylene [2]		87.8	30-150					8/24/18 21:01	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-E-11 (11.5-13.5)

Sampled: 7/27/2018 08:33

Sample ID: 18G1210-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.6		% Wt	1		SM 2540G	8/31/18	9/1/18 8:47	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-11 (3.5-5.5)

Sampled: 7/27/2018 09:04

Sample ID: 18G1210-06

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 21:18	KAL
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 21:18	KAL
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 21:18	KAL
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 21:18	KAL
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 21:18	KAL
Aroclor-1254 [1]	0.17	0.091	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 21:18	KAL
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 21:18	KAL
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 21:18	KAL
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 21:18	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		76.9	30-150					8/24/18 21:18	
Decachlorobiphenyl [2]		132	30-150					8/24/18 21:18	
Tetrachloro-m-xylene [1]		73.8	30-150					8/24/18 21:18	
Tetrachloro-m-xylene [2]		75.1	30-150					8/24/18 21:18	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-11 (3.5-5.5)

Sampled: 7/27/2018 09:04

Sample ID: 18G1210-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.8		% Wt	1		SM 2540G	8/31/18	9/1/18 8:47	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-11 (5.5-7.5)

Sampled: 7/27/2018 09:05

Sample ID: 18G1210-07

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 21:36	KAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 21:36	KAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 21:36	KAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 21:36	KAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 21:36	KAL
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 21:36	KAL
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 21:36	KAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 21:36	KAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 21:36	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		77.1	30-150					8/24/18 21:36	
Decachlorobiphenyl [2]		86.8	30-150					8/24/18 21:36	
Tetrachloro-m-xylene [1]		79.4	30-150					8/24/18 21:36	
Tetrachloro-m-xylene [2]		80.1	30-150					8/24/18 21:36	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-11 (5.5-7.5)

Sampled: 7/27/2018 09:05

Sample ID: 18G1210-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.2		% Wt	1		SM 2540G	8/31/18	9/1/18 8:47	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-11 (7.5-9.5)

Sampled: 7/27/2018 09:06

Sample ID: 18G1210-08

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 21:53	KAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 21:53	KAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 21:53	KAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 21:53	KAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 21:53	KAL
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 21:53	KAL
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 21:53	KAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 21:53	KAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 21:53	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		82.0	30-150					8/24/18 21:53	
Decachlorobiphenyl [2]		92.0	30-150					8/24/18 21:53	
Tetrachloro-m-xylene [1]		84.8	30-150					8/24/18 21:53	
Tetrachloro-m-xylene [2]		86.0	30-150					8/24/18 21:53	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-11 (7.5-9.5)

Sampled: 7/27/2018 09:06

Sample ID: 18G1210-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.1		% Wt	1		SM 2540G	8/31/18	9/1/18 8:47	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-11 (9.5-11.5)

Sampled: 7/27/2018 09:07

Sample ID: 18G1210-09

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	8/7/18	8/25/18 11:02	KAL
Aroclor-1221 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	8/7/18	8/25/18 11:02	KAL
Aroclor-1232 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	8/7/18	8/25/18 11:02	KAL
Aroclor-1242 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	8/7/18	8/25/18 11:02	KAL
Aroclor-1248 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	8/7/18	8/25/18 11:02	KAL
Aroclor-1254 [1]	4.4	0.88	mg/Kg dry	40		SW-846 8082A	8/7/18	8/25/18 11:02	KAL
Aroclor-1260 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	8/7/18	8/25/18 11:02	KAL
Aroclor-1262 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	8/7/18	8/25/18 11:02	KAL
Aroclor-1268 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	8/7/18	8/25/18 11:02	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/25/18 11:02	
Decachlorobiphenyl [2]		*	30-150		S-01			8/25/18 11:02	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/25/18 11:02	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/25/18 11:02	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-11 (9.5-11.5)

Sampled: 7/27/2018 09:07

Sample ID: 18G1210-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.3		% Wt	1		SM 2540G	8/31/18	9/1/18 8:47	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-9 (3.5-5.5)

Sampled: 7/27/2018 09:29

Sample ID: 18G1210-10

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 22:28	KAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 22:28	KAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 22:28	KAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 22:28	KAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 22:28	KAL
Aroclor-1254 [2]	0.58	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 22:28	KAL
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 22:28	KAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 22:28	KAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 22:28	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		85.8	30-150					8/24/18 22:28	
Decachlorobiphenyl [2]		106	30-150					8/24/18 22:28	
Tetrachloro-m-xylene [1]		88.3	30-150					8/24/18 22:28	
Tetrachloro-m-xylene [2]		88.6	30-150					8/24/18 22:28	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-9 (3.5-5.5)

Sampled: 7/27/2018 09:29

Sample ID: 18G1210-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.0		% Wt	1		SM 2540G	8/31/18	9/1/18 8:47	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-9 (5.5-7.5)

Sampled: 7/27/2018 09:30

Sample ID: 18G1210-11

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 23:35	KAL
Aroclor-1221 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 23:35	KAL
Aroclor-1232 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 23:35	KAL
Aroclor-1242 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 23:35	KAL
Aroclor-1248 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 23:35	KAL
Aroclor-1254 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 23:35	KAL
Aroclor-1260 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 23:35	KAL
Aroclor-1262 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 23:35	KAL
Aroclor-1268 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 23:35	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		78.4	30-150					8/24/18 23:35	
Decachlorobiphenyl [2]		96.1	30-150					8/24/18 23:35	
Tetrachloro-m-xylene [1]		78.7	30-150					8/24/18 23:35	
Tetrachloro-m-xylene [2]		78.8	30-150					8/24/18 23:35	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-9 (5.5-7.5)

Sampled: 7/27/2018 09:30

Sample ID: 18G1210-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.6		% Wt	1		SM 2540G	8/31/18	9/1/18 8:48	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-9 (7.5-9.5)

Sampled: 7/27/2018 09:31

Sample ID: 18G1210-12

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 23:53	KAL
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 23:53	KAL
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 23:53	KAL
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 23:53	KAL
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 23:53	KAL
Aroclor-1254 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 23:53	KAL
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 23:53	KAL
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 23:53	KAL
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/7/18	8/24/18 23:53	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		73.0	30-150					8/24/18 23:53	
Decachlorobiphenyl [2]		81.5	30-150					8/24/18 23:53	
Tetrachloro-m-xylene [1]		71.2	30-150					8/24/18 23:53	
Tetrachloro-m-xylene [2]		71.9	30-150					8/24/18 23:53	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-9 (7.5-9.5)

Sampled: 7/27/2018 09:31

Sample ID: 18G1210-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.8		% Wt	1		SM 2540G	8/31/18	9/1/18 8:48	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-9 (9.5-11.5)

Sampled: 7/27/2018 09:32

Sample ID: 18G1210-13

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 0:10	KAL
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 0:10	KAL
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 0:10	KAL
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 0:10	KAL
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 0:10	KAL
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 0:10	KAL
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 0:10	KAL
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 0:10	KAL
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 0:10	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		69.4	30-150					8/25/18 0:10	
Decachlorobiphenyl [2]		77.4	30-150					8/25/18 0:10	
Tetrachloro-m-xylene [1]		66.3	30-150					8/25/18 0:10	
Tetrachloro-m-xylene [2]		67.8	30-150					8/25/18 0:10	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-9 (9.5-11.5)

Sampled: 7/27/2018 09:32

Sample ID: 18G1210-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.1		% Wt	1		SM 2540G	8/31/18	9/1/18 8:48	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-9 (11.5-13.5)

Sampled: 7/27/2018 09:33

Sample ID: 18G1210-14

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 0:28	KAL
Aroclor-1221 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 0:28	KAL
Aroclor-1232 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 0:28	KAL
Aroclor-1242 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 0:28	KAL
Aroclor-1248 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 0:28	KAL
Aroclor-1254 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 0:28	KAL
Aroclor-1260 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 0:28	KAL
Aroclor-1262 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 0:28	KAL
Aroclor-1268 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 0:28	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		81.5	30-150					8/25/18 0:28	
Decachlorobiphenyl [2]		91.9	30-150					8/25/18 0:28	
Tetrachloro-m-xylene [1]		79.8	30-150					8/25/18 0:28	
Tetrachloro-m-xylene [2]		82.0	30-150					8/25/18 0:28	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-9 (11.5-13.5)

Sampled: 7/27/2018 09:33

Sample ID: 18G1210-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.8		% Wt	1		SM 2540G	8/31/18	9/1/18 8:48	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-7 (3.5-5.5)

Sampled: 7/27/2018 09:54

Sample ID: 18G1210-15

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 0:45	KAL
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 0:45	KAL
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 0:45	KAL
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 0:45	KAL
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 0:45	KAL
Aroclor-1254 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 0:45	KAL
Aroclor-1260 [1]	0.21	0.093	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 0:45	KAL
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 0:45	KAL
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 0:45	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		83.3	30-150					8/25/18 0:45	
Decachlorobiphenyl [2]		104	30-150					8/25/18 0:45	
Tetrachloro-m-xylene [1]		78.1	30-150					8/25/18 0:45	
Tetrachloro-m-xylene [2]		78.9	30-150					8/25/18 0:45	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-7 (3.5-5.5)

Sampled: 7/27/2018 09:54

Sample ID: 18G1210-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.1		% Wt	1		SM 2540G	8/31/18	9/1/18 8:48	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-7 (5.5-7.5)

Sampled: 7/27/2018 09:55

Sample ID: 18G1210-16

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/7/18	8/25/18 11:14	KAL
Aroclor-1221 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/7/18	8/25/18 11:14	KAL
Aroclor-1232 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/7/18	8/25/18 11:14	KAL
Aroclor-1242 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/7/18	8/25/18 11:14	KAL
Aroclor-1248 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/7/18	8/25/18 11:14	KAL
Aroclor-1254 [1]	11	1.9	mg/Kg dry	80		SW-846 8082A	8/7/18	8/25/18 11:14	KAL
Aroclor-1260 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/7/18	8/25/18 11:14	KAL
Aroclor-1262 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/7/18	8/25/18 11:14	KAL
Aroclor-1268 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/7/18	8/25/18 11:14	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/25/18 11:14	
Decachlorobiphenyl [2]		*	30-150		S-01			8/25/18 11:14	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/25/18 11:14	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/25/18 11:14	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-7 (5.5-7.5)

Sampled: 7/27/2018 09:55

Sample ID: 18G1210-16

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.4		% Wt	1		SM 2540G	8/31/18	9/1/18 8:48	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-7 (7.5-9.5)

Sampled: 7/27/2018 09:56

Sample ID: 18G1210-17

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 1:20	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 1:20	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 1:20	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 1:20	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 1:20	KAL
Aroclor-1254 [1]	0.13	0.10	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 1:20	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 1:20	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 1:20	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 1:20	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	79.1		30-150				8/25/18 1:20		
Decachlorobiphenyl [2]	88.5		30-150				8/25/18 1:20		
Tetrachloro-m-xylene [1]	76.6		30-150				8/25/18 1:20		
Tetrachloro-m-xylene [2]	78.1		30-150				8/25/18 1:20		



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-7 (7.5-9.5)

Sampled: 7/27/2018 09:56

Sample ID: 18G1210-17

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	78.4		% Wt	1		SM 2540G	8/31/18	9/1/18 8:48	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-7 (9.5-11.5)

Sampled: 7/27/2018 09:57

Sample ID: 18G1210-18

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 1:37	KAL
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 1:37	KAL
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 1:37	KAL
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 1:37	KAL
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 1:37	KAL
Aroclor-1254 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 1:37	KAL
Aroclor-1260 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 1:37	KAL
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 1:37	KAL
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 1:37	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		86.5	30-150					8/25/18 1:37	
Decachlorobiphenyl [2]		97.0	30-150					8/25/18 1:37	
Tetrachloro-m-xylene [1]		86.8	30-150					8/25/18 1:37	
Tetrachloro-m-xylene [2]		89.6	30-150					8/25/18 1:37	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-7 (9.5-11.5)

Sampled: 7/27/2018 09:57

Sample ID: 18G1210-18

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.8		% Wt	1		SM 2540G	8/31/18	9/1/18 8:48	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-5 (3.5-5.5)

Sampled: 7/27/2018 10:19

Sample ID: 18G1210-19

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 10:30	JMB
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 10:30	JMB
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 10:30	JMB
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 10:30	JMB
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 10:30	JMB
Aroclor-1254 [2]	0.44	0.085	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 10:30	JMB
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 10:30	JMB
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 10:30	JMB
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 10:30	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		85.4	30-150					8/14/18 10:30	
Decachlorobiphenyl [2]		102	30-150					8/14/18 10:30	
Tetrachloro-m-xylene [1]		82.3	30-150					8/14/18 10:30	
Tetrachloro-m-xylene [2]		78.3	30-150					8/14/18 10:30	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-5 (3.5-5.5)

Sampled: 7/27/2018 10:19

Sample ID: 18G1210-19

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.5		% Wt	1		SM 2540G	8/10/18	8/10/18 18:37	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-5 (5.5-7.5)

Sampled: 7/27/2018 10:20

Sample ID: 18G1210-20

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 10:48	JMB
Aroclor-1221 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 10:48	JMB
Aroclor-1232 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 10:48	JMB
Aroclor-1242 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 10:48	JMB
Aroclor-1248 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 10:48	JMB
Aroclor-1254 [2]	13	1.9	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 10:48	JMB
Aroclor-1260 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 10:48	JMB
Aroclor-1262 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 10:48	JMB
Aroclor-1268 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 10:48	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/14/18 10:48	
Decachlorobiphenyl [2]		*	30-150		S-01			8/14/18 10:48	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/14/18 10:48	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/14/18 10:48	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-5 (5.5-7.5)

Sampled: 7/27/2018 10:20

Sample ID: 18G1210-20

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.3		% Wt	1		SM 2540G	8/10/18	8/10/18 18:37	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-5 (7.5-9.5)

Sampled: 7/27/2018 10:20

Sample ID: 18G1210-21

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 1:55	KAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 1:55	KAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 1:55	KAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 1:55	KAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 1:55	KAL
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 1:55	KAL
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 1:55	KAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 1:55	KAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 1:55	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		87.2	30-150					8/25/18 1:55	
Decachlorobiphenyl [2]		120	30-150					8/25/18 1:55	
Tetrachloro-m-xylene [1]		86.1	30-150					8/25/18 1:55	
Tetrachloro-m-xylene [2]		88.2	30-150					8/25/18 1:55	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-5 (7.5-9.5)

Sampled: 7/27/2018 10:20

Sample ID: 18G1210-21

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.1		% Wt	1		SM 2540G	8/31/18	9/1/18 8:48	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-5 (9.5-11.5)

Sampled: 7/27/2018 10:21

Sample ID: 18G1210-22

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 2:12	KAL
Aroclor-1221 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 2:12	KAL
Aroclor-1232 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 2:12	KAL
Aroclor-1242 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 2:12	KAL
Aroclor-1248 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 2:12	KAL
Aroclor-1254 [1]	0.10	0.099	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 2:12	KAL
Aroclor-1260 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 2:12	KAL
Aroclor-1262 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 2:12	KAL
Aroclor-1268 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/7/18	8/25/18 2:12	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		89.3	30-150					8/25/18 2:12	
Decachlorobiphenyl [2]		104	30-150					8/25/18 2:12	
Tetrachloro-m-xylene [1]		82.3	30-150					8/25/18 2:12	
Tetrachloro-m-xylene [2]		86.6	30-150					8/25/18 2:12	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-5 (9.5-11.5)

Sampled: 7/27/2018 10:21

Sample ID: 18G1210-22

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.2		% Wt	1		SM 2540G	8/31/18	9/1/18 8:49	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-5 (11.5-13.5)

Sampled: 7/27/2018 10:22

Sample ID: 18G1210-23

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 16:14	TG
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 16:14	TG
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 16:14	TG
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 16:14	TG
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 16:14	TG
Aroclor-1254 [2]	0.089	0.088	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 16:14	TG
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 16:14	TG
Aroclor-1262 [2]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 16:14	TG
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 16:14	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		102	30-150					8/31/18 16:14	
Decachlorobiphenyl [2]		101	30-150					8/31/18 16:14	
Tetrachloro-m-xylene [1]		78.6	30-150					8/31/18 16:14	
Tetrachloro-m-xylene [2]		79.6	30-150					8/31/18 16:14	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-5 (11.5-13.5)

Sampled: 7/27/2018 10:22

Sample ID: 18G1210-23

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	3.2	0.59	mg/Kg dry	1		SW-846 6010D	8/31/18	9/2/18 12:48	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-5 (11.5-13.5)

Sampled: 7/27/2018 10:22

Sample ID: 18G1210-23

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.0		% Wt	1		SM 2540G	8/31/18	9/1/18 8:49	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-4.5 (3.5-5.5)

Sampled: 7/27/2018 10:34

Sample ID: 18G1210-24

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	230	mg/Kg dry	10000		SW-846 8082A	8/7/18	8/14/18 11:06	JMB
Aroclor-1221 [1]	ND	230	mg/Kg dry	10000		SW-846 8082A	8/7/18	8/14/18 11:06	JMB
Aroclor-1232 [1]	ND	230	mg/Kg dry	10000		SW-846 8082A	8/7/18	8/14/18 11:06	JMB
Aroclor-1242 [1]	ND	230	mg/Kg dry	10000		SW-846 8082A	8/7/18	8/14/18 11:06	JMB
Aroclor-1248 [1]	ND	230	mg/Kg dry	10000		SW-846 8082A	8/7/18	8/14/18 11:06	JMB
Aroclor-1254 [2]	2100	230	mg/Kg dry	10000		SW-846 8082A	8/7/18	8/14/18 11:06	JMB
Aroclor-1260 [1]	ND	230	mg/Kg dry	10000		SW-846 8082A	8/7/18	8/14/18 11:06	JMB
Aroclor-1262 [1]	ND	230	mg/Kg dry	10000		SW-846 8082A	8/7/18	8/14/18 11:06	JMB
Aroclor-1268 [1]	ND	230	mg/Kg dry	10000		SW-846 8082A	8/7/18	8/14/18 11:06	JMB
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	*	30-150			S-01			8/14/18 11:06	
Decachlorobiphenyl [2]	*	30-150			S-01			8/14/18 11:06	
Tetrachloro-m-xylene [1]	*	30-150			S-01			8/14/18 11:06	
Tetrachloro-m-xylene [2]	*	30-150			S-01			8/14/18 11:06	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-4.5 (3.5-5.5)

Sampled: 7/27/2018 10:34

Sample ID: 18G1210-24

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.4		% Wt	1		SM 2540G	8/10/18	8/10/18 18:37	MAT



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-4.5 (5.5-7.5)

Sampled: 7/27/2018 10:35

Sample ID: 18G1210-25

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	8/7/18	8/14/18 11:23	JMB
Aroclor-1221 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	8/7/18	8/14/18 11:23	JMB
Aroclor-1232 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	8/7/18	8/14/18 11:23	JMB
Aroclor-1242 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	8/7/18	8/14/18 11:23	JMB
Aroclor-1248 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	8/7/18	8/14/18 11:23	JMB
Aroclor-1254 [2]	15	2.3	mg/Kg dry	100		SW-846 8082A	8/7/18	8/14/18 11:23	JMB
Aroclor-1260 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	8/7/18	8/14/18 11:23	JMB
Aroclor-1262 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	8/7/18	8/14/18 11:23	JMB
Aroclor-1268 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	8/7/18	8/14/18 11:23	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/14/18 11:23	
Decachlorobiphenyl [2]		*	30-150		S-01			8/14/18 11:23	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/14/18 11:23	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/14/18 11:23	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-4.5 (5.5-7.5)

Sampled: 7/27/2018 10:35

Sample ID: 18G1210-25

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.2		% Wt	1		SM 2540G	8/10/18	8/10/18 18:37	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-4.5 (7.5-9.5)

Sampled: 7/27/2018 10:36

Sample ID: 18G1210-26

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 16:32	TG
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 16:32	TG
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 16:32	TG
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 16:32	TG
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 16:32	TG
Aroclor-1254 [2]	0.11	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 16:32	TG
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 16:32	TG
Aroclor-1262 [2]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 16:32	TG
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 16:32	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		81.3	30-150					8/31/18 16:32	
Decachlorobiphenyl [2]		83.4	30-150					8/31/18 16:32	
Tetrachloro-m-xylene [1]		82.6	30-150					8/31/18 16:32	
Tetrachloro-m-xylene [2]		80.7	30-150					8/31/18 16:32	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-4.5 (7.5-9.5)

Sampled: 7/27/2018 10:36

Sample ID: 18G1210-26

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.9		% Wt	1		SM 2540G	8/31/18	9/1/18 8:49	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-4.5 (9.5-11.5)

Sampled: 7/27/2018 10:37

Sample ID: 18G1210-27

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 16:50	TG
Aroclor-1221 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 16:50	TG
Aroclor-1232 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 16:50	TG
Aroclor-1242 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 16:50	TG
Aroclor-1248 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 16:50	TG
Aroclor-1254 [2]	0.28	0.099	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 16:50	TG
Aroclor-1260 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 16:50	TG
Aroclor-1262 [2]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 16:50	TG
Aroclor-1268 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 16:50	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		99.6	30-150					8/31/18 16:50	
Decachlorobiphenyl [2]		103	30-150					8/31/18 16:50	
Tetrachloro-m-xylene [1]		78.3	30-150					8/31/18 16:50	
Tetrachloro-m-xylene [2]		78.6	30-150					8/31/18 16:50	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-4.5 (9.5-11.5)

Sampled: 7/27/2018 10:37

Sample ID: 18G1210-27

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.0		% Wt	1		SM 2540G	8/31/18	9/1/18 8:49	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-4.5 (11.5-13.5)

Sampled: 7/27/2018 10:38

Sample ID: 18G1210-28

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 17:08	TG
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 17:08	TG
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 17:08	TG
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 17:08	TG
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 17:08	TG
Aroclor-1254 [2]	0.33	0.087	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 17:08	TG
Aroclor-1260 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 17:08	TG
Aroclor-1262 [2]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 17:08	TG
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 17:08	TG
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	97.5		30-150				8/31/18 17:08		
Decachlorobiphenyl [2]	96.4		30-150				8/31/18 17:08		
Tetrachloro-m-xylene [1]	70.4		30-150				8/31/18 17:08		
Tetrachloro-m-xylene [2]	71.2		30-150				8/31/18 17:08		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-4.5 (11.5-13.5)

Sampled: 7/27/2018 10:38

Sample ID: 18G1210-28

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.5		% Wt	1		SM 2540G	8/31/18	9/1/18 8:49	JFC



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-4 (3.5-5.5)

Sampled: 7/27/2018 10:54

Sample ID: 18G1210-29

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	93	mg/Kg dry	4000		SW-846 8082A	8/7/18	8/14/18 11:41	JMB
Aroclor-1221 [1]	ND	93	mg/Kg dry	4000		SW-846 8082A	8/7/18	8/14/18 11:41	JMB
Aroclor-1232 [1]	ND	93	mg/Kg dry	4000		SW-846 8082A	8/7/18	8/14/18 11:41	JMB
Aroclor-1242 [1]	ND	93	mg/Kg dry	4000		SW-846 8082A	8/7/18	8/14/18 11:41	JMB
Aroclor-1248 [1]	ND	93	mg/Kg dry	4000		SW-846 8082A	8/7/18	8/14/18 11:41	JMB
Aroclor-1254 [2]	880	93	mg/Kg dry	4000		SW-846 8082A	8/7/18	8/14/18 11:41	JMB
Aroclor-1260 [1]	ND	93	mg/Kg dry	4000		SW-846 8082A	8/7/18	8/14/18 11:41	JMB
Aroclor-1262 [1]	ND	93	mg/Kg dry	4000		SW-846 8082A	8/7/18	8/14/18 11:41	JMB
Aroclor-1268 [1]	ND	93	mg/Kg dry	4000		SW-846 8082A	8/7/18	8/14/18 11:41	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/14/18 11:41	
Decachlorobiphenyl [2]		*	30-150		S-01			8/14/18 11:41	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/14/18 11:41	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/14/18 11:41	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-4 (3.5-5.5)

Sampled: 7/27/2018 10:54

Sample ID: 18G1210-29

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.0		% Wt	1		SM 2540G	8/10/18	8/10/18 18:37	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-4 (5.5-7.5)

Sampled: 7/27/2018 10:55

Sample ID: 18G1210-30

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	8/7/18	8/14/18 11:59	JMB
Aroclor-1221 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	8/7/18	8/14/18 11:59	JMB
Aroclor-1232 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	8/7/18	8/14/18 11:59	JMB
Aroclor-1242 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	8/7/18	8/14/18 11:59	JMB
Aroclor-1248 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	8/7/18	8/14/18 11:59	JMB
Aroclor-1254 [2]	30	4.6	mg/Kg dry	200		SW-846 8082A	8/7/18	8/14/18 11:59	JMB
Aroclor-1260 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	8/7/18	8/14/18 11:59	JMB
Aroclor-1262 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	8/7/18	8/14/18 11:59	JMB
Aroclor-1268 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	8/7/18	8/14/18 11:59	JMB
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	*	30-150			S-01			8/14/18 11:59	
Decachlorobiphenyl [2]	*	30-150			S-01			8/14/18 11:59	
Tetrachloro-m-xylene [1]	*	30-150			S-01			8/14/18 11:59	
Tetrachloro-m-xylene [2]	*	30-150			S-01			8/14/18 11:59	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-4 (5.5-7.5)

Sampled: 7/27/2018 10:55

Sample ID: 18G1210-30

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.3		% Wt	1		SM 2540G	8/10/18	8/10/18 18:37	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-4 (7.5-9.5)

Sampled: 7/27/2018 10:56

Sample ID: 18G1210-31

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 17:26	TG
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 17:26	TG
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 17:26	TG
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 17:26	TG
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 17:26	TG
Aroclor-1254 [2]	0.60	0.089	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 17:26	TG
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 17:26	TG
Aroclor-1262 [2]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 17:26	TG
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 17:26	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		96.1	30-150					8/31/18 17:26	
Decachlorobiphenyl [2]		99.3	30-150					8/31/18 17:26	
Tetrachloro-m-xylene [1]		95.9	30-150					8/31/18 17:26	
Tetrachloro-m-xylene [2]		93.9	30-150					8/31/18 17:26	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-4 (7.5-9.5)

Sampled: 7/27/2018 10:56

Sample ID: 18G1210-31

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.1		% Wt	1		SM 2540G	8/31/18	9/1/18 8:49	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-4 (9.5-11.5)

Sampled: 7/27/2018 10:57

Sample ID: 18G1210-32

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 17:44	TG
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 17:44	TG
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 17:44	TG
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 17:44	TG
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 17:44	TG
Aroclor-1254 [2]	0.80	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 17:44	TG
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 17:44	TG
Aroclor-1262 [2]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 17:44	TG
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 17:44	TG
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	93.1		30-150				8/31/18 17:44		
Decachlorobiphenyl [2]	96.2		30-150				8/31/18 17:44		
Tetrachloro-m-xylene [1]	72.4		30-150				8/31/18 17:44		
Tetrachloro-m-xylene [2]	71.9		30-150				8/31/18 17:44		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-4 (9.5-11.5)

Sampled: 7/27/2018 10:57

Sample ID: 18G1210-32

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.1		% Wt	1		SM 2540G	8/31/18	9/1/18 8:50	JFC



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-9 (11.5-13.5)

Sampled: 7/27/2018 10:58

Sample ID: 18G1210-33

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 18:02	TG
Aroclor-1221 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 18:02	TG
Aroclor-1232 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 18:02	TG
Aroclor-1242 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 18:02	TG
Aroclor-1248 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 18:02	TG
Aroclor-1254 [2]	0.26	0.097	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 18:02	TG
Aroclor-1260 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 18:02	TG
Aroclor-1262 [2]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 18:02	TG
Aroclor-1268 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 18:02	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		105	30-150					8/31/18 18:02	
Decachlorobiphenyl [2]		103	30-150					8/31/18 18:02	
Tetrachloro-m-xylene [1]		74.9	30-150					8/31/18 18:02	
Tetrachloro-m-xylene [2]		75.3	30-150					8/31/18 18:02	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-9 (11.5-13.5)

Sampled: 7/27/2018 10:58

Sample ID: 18G1210-33

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.9		% Wt	1		SM 2540G	8/31/18	9/1/18 8:50	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-3.5 (3.5-5.5)

Sampled: 7/27/2018 11:09

Sample ID: 18G1210-34

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	230	mg/Kg dry	10000		SW-846 8082A	8/7/18	8/14/18 12:16	JMB
Aroclor-1221 [1]	ND	230	mg/Kg dry	10000		SW-846 8082A	8/7/18	8/14/18 12:16	JMB
Aroclor-1232 [1]	ND	230	mg/Kg dry	10000		SW-846 8082A	8/7/18	8/14/18 12:16	JMB
Aroclor-1242 [1]	ND	230	mg/Kg dry	10000		SW-846 8082A	8/7/18	8/14/18 12:16	JMB
Aroclor-1248 [1]	ND	230	mg/Kg dry	10000		SW-846 8082A	8/7/18	8/14/18 12:16	JMB
Aroclor-1254 [2]	1900	230	mg/Kg dry	10000		SW-846 8082A	8/7/18	8/14/18 12:16	JMB
Aroclor-1260 [1]	ND	230	mg/Kg dry	10000		SW-846 8082A	8/7/18	8/14/18 12:16	JMB
Aroclor-1262 [1]	ND	230	mg/Kg dry	10000		SW-846 8082A	8/7/18	8/14/18 12:16	JMB
Aroclor-1268 [1]	ND	230	mg/Kg dry	10000		SW-846 8082A	8/7/18	8/14/18 12:16	JMB
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	*	30-150			S-01			8/14/18 12:16	
Decachlorobiphenyl [2]	*	30-150			S-01			8/14/18 12:16	
Tetrachloro-m-xylene [1]	*	30-150			S-01			8/14/18 12:16	
Tetrachloro-m-xylene [2]	*	30-150			S-01			8/14/18 12:16	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-3.5 (3.5-5.5)

Sampled: 7/27/2018 11:09

Sample ID: 18G1210-34

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.0		% Wt	1		SM 2540G	8/10/18	8/10/18 18:37	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-3.5 (5.5-7.5)

Sampled: 7/27/2018 11:10

Sample ID: 18G1210-35

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	370	mg/Kg dry	16000		SW-846 8082A	8/7/18	8/14/18 12:34	JMB
Aroclor-1221 [1]	ND	370	mg/Kg dry	16000		SW-846 8082A	8/7/18	8/14/18 12:34	JMB
Aroclor-1232 [1]	ND	370	mg/Kg dry	16000		SW-846 8082A	8/7/18	8/14/18 12:34	JMB
Aroclor-1242 [1]	ND	370	mg/Kg dry	16000		SW-846 8082A	8/7/18	8/14/18 12:34	JMB
Aroclor-1248 [1]	ND	370	mg/Kg dry	16000		SW-846 8082A	8/7/18	8/14/18 12:34	JMB
Aroclor-1254 [2]	2600	370	mg/Kg dry	16000		SW-846 8082A	8/7/18	8/14/18 12:34	JMB
Aroclor-1260 [1]	ND	370	mg/Kg dry	16000		SW-846 8082A	8/7/18	8/14/18 12:34	JMB
Aroclor-1262 [1]	ND	370	mg/Kg dry	16000		SW-846 8082A	8/7/18	8/14/18 12:34	JMB
Aroclor-1268 [1]	ND	370	mg/Kg dry	16000		SW-846 8082A	8/7/18	8/14/18 12:34	JMB
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	*	30-150			S-01			8/14/18 12:34	
Decachlorobiphenyl [2]	*	30-150			S-01			8/14/18 12:34	
Tetrachloro-m-xylene [1]	*	30-150			S-01			8/14/18 12:34	
Tetrachloro-m-xylene [2]	*	30-150			S-01			8/14/18 12:34	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-3.5 (5.5-7.5)

Sampled: 7/27/2018 11:10

Sample ID: 18G1210-35

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.4		% Wt	1		SM 2540G	8/10/18	8/10/18 18:37	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-3.5 (7.5-9.5)

Sampled: 7/27/2018 11:11

Sample ID: 18G1210-36

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/8/18	9/1/18 7:47	TG
Aroclor-1221 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/8/18	9/1/18 7:47	TG
Aroclor-1232 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/8/18	9/1/18 7:47	TG
Aroclor-1242 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/8/18	9/1/18 7:47	TG
Aroclor-1248 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/8/18	9/1/18 7:47	TG
Aroclor-1254 [1]	5.4	0.44	mg/Kg dry	20		SW-846 8082A	8/8/18	9/1/18 7:47	TG
Aroclor-1260 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/8/18	9/1/18 7:47	TG
Aroclor-1262 [2]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/8/18	9/1/18 7:47	TG
Aroclor-1268 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/8/18	9/1/18 7:47	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		116	30-150					9/1/18 7:47	
Decachlorobiphenyl [2]		116	30-150					9/1/18 7:47	
Tetrachloro-m-xylene [1]		103	30-150					9/1/18 7:47	
Tetrachloro-m-xylene [2]		102	30-150					9/1/18 7:47	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-3.5 (7.5-9.5)

Sampled: 7/27/2018 11:11

Sample ID: 18G1210-36

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.1		% Wt	1		SM 2540G	8/31/18	9/1/18 8:50	JFC



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-3.5 (9.5-11.5)

Sampled: 7/27/2018 11:12

Sample ID: 18G1210-37

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 20:21	TG
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 20:21	TG
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 20:21	TG
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 20:21	TG
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 20:21	TG
Aroclor-1254 [2]	0.58	0.091	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 20:21	TG
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 20:21	TG
Aroclor-1262 [2]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 20:21	TG
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 20:21	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		103	30-150					8/31/18 20:21	
Decachlorobiphenyl [2]		104	30-150					8/31/18 20:21	
Tetrachloro-m-xylene [1]		76.9	30-150					8/31/18 20:21	
Tetrachloro-m-xylene [2]		76.0	30-150					8/31/18 20:21	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-3.5 (9.5-11.5)

Sampled: 7/27/2018 11:12

Sample ID: 18G1210-37

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.3		% Wt	1		SM 2540G	8/31/18	9/1/18 8:50	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-3.5 (11.5-13.5)

Sampled: 7/27/2018 11:13

Sample ID: 18G1210-38

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 20:39	TG
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 20:39	TG
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 20:39	TG
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 20:39	TG
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 20:39	TG
Aroclor-1254 [2]	0.21	0.091	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 20:39	TG
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 20:39	TG
Aroclor-1262 [2]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 20:39	TG
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 20:39	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		103	30-150					8/31/18 20:39	
Decachlorobiphenyl [2]		100	30-150					8/31/18 20:39	
Tetrachloro-m-xylene [1]		76.0	30-150					8/31/18 20:39	
Tetrachloro-m-xylene [2]		75.8	30-150					8/31/18 20:39	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-3.5 (11.5-13.5)

Sampled: 7/27/2018 11:13

Sample ID: 18G1210-38

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.6		% Wt	1		SM 2540G	8/31/18	9/1/18 8:50	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-3 (3.5-5.5)

Sampled: 7/27/2018 11:19

Sample ID: 18G1210-39

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 12:52	JMB
Aroclor-1221 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 12:52	JMB
Aroclor-1232 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 12:52	JMB
Aroclor-1242 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 12:52	JMB
Aroclor-1248 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 12:52	JMB
Aroclor-1254 [2]	5.2	1.8	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 12:52	JMB
Aroclor-1260 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 12:52	JMB
Aroclor-1262 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 12:52	JMB
Aroclor-1268 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 12:52	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/14/18 12:52	
Decachlorobiphenyl [2]		*	30-150		S-01			8/14/18 12:52	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/14/18 12:52	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/14/18 12:52	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-3 (3.5-5.5)

Sampled: 7/27/2018 11:19

Sample ID: 18G1210-39

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.0		% Wt	1		SM 2540G	8/10/18	8/10/18 18:37	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-3 (5.5-7.5)

Sampled: 7/27/2018 11:20

Sample ID: 18G1210-40

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/7/18	8/14/18 21:21	JMB
Aroclor-1221 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/7/18	8/14/18 21:21	JMB
Aroclor-1232 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/7/18	8/14/18 21:21	JMB
Aroclor-1242 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/7/18	8/14/18 21:21	JMB
Aroclor-1248 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/7/18	8/14/18 21:21	JMB
Aroclor-1254 [1]	2.3	0.46	mg/Kg dry	20		SW-846 8082A	8/7/18	8/14/18 21:21	JMB
Aroclor-1260 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/7/18	8/14/18 21:21	JMB
Aroclor-1262 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/7/18	8/14/18 21:21	JMB
Aroclor-1268 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/7/18	8/14/18 21:21	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		82.8	30-150					8/14/18 21:21	
Decachlorobiphenyl [2]		90.4	30-150					8/14/18 21:21	
Tetrachloro-m-xylene [1]		73.7	30-150					8/14/18 21:21	
Tetrachloro-m-xylene [2]		73.5	30-150					8/14/18 21:21	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-3 (5.5-7.5)

Sampled: 7/27/2018 11:20

Sample ID: 18G1210-40

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.7		% Wt	1		SM 2540G	8/10/18	8/10/18 18:37	MAT



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-3 (7.5-9.5)

Sampled: 7/27/2018 11:21

Sample ID: 18G1210-41

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/8/18	9/1/18 8:05	TG
Aroclor-1221 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/8/18	9/1/18 8:05	TG
Aroclor-1232 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/8/18	9/1/18 8:05	TG
Aroclor-1242 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/8/18	9/1/18 8:05	TG
Aroclor-1248 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/8/18	9/1/18 8:05	TG
Aroclor-1254 [1]	4.4	0.42	mg/Kg dry	20		SW-846 8082A	8/8/18	9/1/18 8:05	TG
Aroclor-1260 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/8/18	9/1/18 8:05	TG
Aroclor-1262 [2]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/8/18	9/1/18 8:05	TG
Aroclor-1268 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/8/18	9/1/18 8:05	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		113	30-150					9/1/18 8:05	
Decachlorobiphenyl [2]		117	30-150					9/1/18 8:05	
Tetrachloro-m-xylene [1]		96.4	30-150					9/1/18 8:05	
Tetrachloro-m-xylene [2]		101	30-150					9/1/18 8:05	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-3 (7.5-9.5)

Sampled: 7/27/2018 11:21

Sample ID: 18G1210-41

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.9		% Wt	1		SM 2540G	8/31/18	9/1/18 8:50	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-3 (9.5-11.5)

Sampled: 7/27/2018 11:22

Sample ID: 18G1210-42

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 21:16	TG
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 21:16	TG
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 21:16	TG
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 21:16	TG
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 21:16	TG
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 21:16	TG
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 21:16	TG
Aroclor-1262 [2]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 21:16	TG
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 21:16	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		108	30-150					8/31/18 21:16	
Decachlorobiphenyl [2]		104	30-150					8/31/18 21:16	
Tetrachloro-m-xylene [1]		100	30-150					8/31/18 21:16	
Tetrachloro-m-xylene [2]		98.5	30-150					8/31/18 21:16	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-3 (9.5-11.5)

Sampled: 7/27/2018 11:22

Sample ID: 18G1210-42

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.3		% Wt	1		SM 2540G	8/31/18	9/1/18 8:50	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-2 (3.5-5.5)

Sampled: 7/27/2018 11:34

Sample ID: 18G1210-43

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 21:39	JMB
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 21:39	JMB
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 21:39	JMB
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 21:39	JMB
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 21:39	JMB
Aroclor-1254 [1]	0.64	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 21:39	JMB
Aroclor-1260 [2]	0.24	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 21:39	JMB
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 21:39	JMB
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 21:39	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		82.6	30-150					8/14/18 21:39	
Decachlorobiphenyl [2]		108	30-150					8/14/18 21:39	
Tetrachloro-m-xylene [1]		76.9	30-150					8/14/18 21:39	
Tetrachloro-m-xylene [2]		74.7	30-150					8/14/18 21:39	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-2 (3.5-5.5)

Sampled: 7/27/2018 11:34

Sample ID: 18G1210-43

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.0		% Wt	1		SM 2540G	8/10/18	8/10/18 18:38	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-2 (5.5-7.5)

Sampled: 7/27/2018 11:35

Sample ID: 18G1210-44

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 21:56	JMB
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 21:56	JMB
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 21:56	JMB
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 21:56	JMB
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 21:56	JMB
Aroclor-1254 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 21:56	JMB
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 21:56	JMB
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 21:56	JMB
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 21:56	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		83.3	30-150					8/14/18 21:56	
Decachlorobiphenyl [2]		104	30-150					8/14/18 21:56	
Tetrachloro-m-xylene [1]		67.2	30-150					8/14/18 21:56	
Tetrachloro-m-xylene [2]		76.3	30-150					8/14/18 21:56	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-2 (5.5-7.5)

Sampled: 7/27/2018 11:35

Sample ID: 18G1210-44

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.5		% Wt	1		SM 2540G	8/10/18	8/10/18 18:38	MAT



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-2 (7.5-9.5)

Sampled: 7/27/2018 11:36

Sample ID: 18G1210-45

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 21:34	TG
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 21:34	TG
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 21:34	TG
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 21:34	TG
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 21:34	TG
Aroclor-1254 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 21:34	TG
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 21:34	TG
Aroclor-1262 [2]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 21:34	TG
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 21:34	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		90.6	30-150					8/31/18 21:34	
Decachlorobiphenyl [2]		91.7	30-150					8/31/18 21:34	
Tetrachloro-m-xylene [1]		93.6	30-150					8/31/18 21:34	
Tetrachloro-m-xylene [2]		89.8	30-150					8/31/18 21:34	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-2 (7.5-9.5)

Sampled: 7/27/2018 11:36

Sample ID: 18G1210-45

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.3		% Wt	1		SM 2540G	8/31/18	9/1/18 8:50	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-2 (9.5-11.5)

Sampled: 7/27/2018 11:37

Sample ID: 18G1210-46

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 21:52	TG
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 21:52	TG
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 21:52	TG
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 21:52	TG
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 21:52	TG
Aroclor-1254 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 21:52	TG
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 21:52	TG
Aroclor-1262 [2]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 21:52	TG
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 21:52	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		91.3	30-150					8/31/18 21:52	
Decachlorobiphenyl [2]		91.9	30-150					8/31/18 21:52	
Tetrachloro-m-xylene [1]		98.2	30-150					8/31/18 21:52	
Tetrachloro-m-xylene [2]		89.2	30-150					8/31/18 21:52	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-2 (9.5-11.5)

Sampled: 7/27/2018 11:37

Sample ID: 18G1210-46

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.4		% Wt	1		SM 2540G	8/31/18	9/1/18 8:51	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-2 (11.5-13.5)

Sampled: 7/27/2018 11:38

Sample ID: 18G1210-47

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 22:10	TG
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 22:10	TG
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 22:10	TG
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 22:10	TG
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 22:10	TG
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 22:10	TG
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 22:10	TG
Aroclor-1262 [2]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 22:10	TG
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 22:10	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		110	30-150					8/31/18 22:10	
Decachlorobiphenyl [2]		106	30-150					8/31/18 22:10	
Tetrachloro-m-xylene [1]		108	30-150					8/31/18 22:10	
Tetrachloro-m-xylene [2]		104	30-150					8/31/18 22:10	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C-2 (11.5-13.5)

Sampled: 7/27/2018 11:38

Sample ID: 18G1210-47

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.0		% Wt	1		SM 2540G	8/31/18	9/1/18 8:51	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-2 (3.5-5.5)

Sampled: 7/27/2018 11:49

Sample ID: 18G1210-48

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	8/7/18	8/14/18 22:13	JMB
Aroclor-1221 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	8/7/18	8/14/18 22:13	JMB
Aroclor-1232 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	8/7/18	8/14/18 22:13	JMB
Aroclor-1242 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	8/7/18	8/14/18 22:13	JMB
Aroclor-1248 [1]	1.9	0.87	mg/Kg dry	40		SW-846 8082A	8/7/18	8/14/18 22:13	JMB
Aroclor-1254 [2]	5.7	0.87	mg/Kg dry	40		SW-846 8082A	8/7/18	8/14/18 22:13	JMB
Aroclor-1260 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	8/7/18	8/14/18 22:13	JMB
Aroclor-1262 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	8/7/18	8/14/18 22:13	JMB
Aroclor-1268 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	8/7/18	8/14/18 22:13	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/14/18 22:13	
Decachlorobiphenyl [2]		*	30-150		S-01			8/14/18 22:13	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/14/18 22:13	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/14/18 22:13	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-2 (3.5-5.5)

Sampled: 7/27/2018 11:49

Sample ID: 18G1210-48

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.8		% Wt	1		SM 2540G	8/10/18	8/10/18 18:38	MAT



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-2 (5.5-7.5)

Sampled: 7/27/2018 11:50

Sample ID: 18G1210-49

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 22:30	JMB
Aroclor-1221 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 22:30	JMB
Aroclor-1232 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 22:30	JMB
Aroclor-1242 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 22:30	JMB
Aroclor-1248 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 22:30	JMB
Aroclor-1254 [1]	12	1.8	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 22:30	JMB
Aroclor-1260 [2]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 22:30	JMB
Aroclor-1262 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 22:30	JMB
Aroclor-1268 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/7/18	8/14/18 22:30	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/14/18 22:30	
Decachlorobiphenyl [2]		*	30-150		S-01			8/14/18 22:30	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/14/18 22:30	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/14/18 22:30	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-2 (5.5-7.5)

Sampled: 7/27/2018 11:50

Sample ID: 18G1210-49

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.2		% Wt	1		SM 2540G	8/10/18	8/10/18 18:38	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-2 (7.5-9.5)

Sampled: 7/27/2018 11:51

Sample ID: 18G1210-50

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 22:28	TG
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/31/18	9/2/18 15:40	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 22:28	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/31/18	9/2/18 15:40	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 22:28	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/31/18	9/2/18 15:40	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 22:28	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/31/18	9/2/18 15:40	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 22:28	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/31/18	9/2/18 15:40	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 22:28	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/31/18	9/2/18 15:40	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 22:28	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/31/18	9/2/18 15:40	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/31/18	9/2/18 15:40	KAL
Aroclor-1262 [2]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 22:28	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 22:28	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/31/18	9/2/18 15:40	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
<b>Decachlorobiphenyl [1]</b>	<b>22.9</b>	*	30-150				8/31/18 22:28		
Decachlorobiphenyl [1]	95.5		30-150				9/2/18 15:40		
<b>Decachlorobiphenyl [2]</b>	<b>22.9</b>	*	30-150				8/31/18 22:28		
Decachlorobiphenyl [2]	112		30-150				9/2/18 15:40		
<b>Tetrachloro-m-xylene [1]</b>	<b>21.7</b>	*	30-150				8/31/18 22:28		
Tetrachloro-m-xylene [1]	95.5		30-150				9/2/18 15:40		
<b>Tetrachloro-m-xylene [2]</b>	<b>21.8</b>	*	30-150				8/31/18 22:28		
Tetrachloro-m-xylene [2]	96.1		30-150				9/2/18 15:40		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-2 (7.5-9.5)

Sampled: 7/27/2018 11:51

Sample ID: 18G1210-50

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	73.3		% Wt	1		SM 2540G	8/31/18	9/1/18 8:51	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-2 (9.5-11.5)

Sampled: 7/27/2018 11:52

Sample ID: 18G1210-51

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 22:47	TG
Aroclor-1221 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 22:47	TG
Aroclor-1232 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 22:47	TG
Aroclor-1242 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 22:47	TG
Aroclor-1248 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 22:47	TG
Aroclor-1254 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 22:47	TG
Aroclor-1260 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 22:47	TG
Aroclor-1262 [2]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 22:47	TG
Aroclor-1268 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 22:47	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		99.7	30-150					8/31/18 22:47	
Decachlorobiphenyl [2]		95.2	30-150					8/31/18 22:47	
Tetrachloro-m-xylene [1]		83.7	30-150					8/31/18 22:47	
Tetrachloro-m-xylene [2]		81.5	30-150					8/31/18 22:47	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-2 (9.5-11.5)

Sampled: 7/27/2018 11:52

Sample ID: 18G1210-51

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.1		% Wt	1		SM 2540G	8/31/18	9/1/18 8:51	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-3 (3.5-5.5)

Sampled: 7/27/2018 12:14

Sample ID: 18G1210-52

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 22:48	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 22:48	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 22:48	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 22:48	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 22:48	JMB
Aroclor-1254 [1]	0.23	0.11	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 22:48	JMB
Aroclor-1260 [1]	0.24	0.11	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 22:48	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 22:48	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 22:48	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		86.7	30-150					8/14/18 22:48	
Decachlorobiphenyl [2]		109	30-150					8/14/18 22:48	
Tetrachloro-m-xylene [1]		73.0	30-150					8/14/18 22:48	
Tetrachloro-m-xylene [2]		79.3	30-150					8/14/18 22:48	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-3 (3.5-5.5)

Sampled: 7/27/2018 12:14

Sample ID: 18G1210-52

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	75.4		% Wt	1		SM 2540G	8/10/18	8/10/18 18:38	MAT



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-3 (5.5-7.5)

Sampled: 7/27/2018 12:15

Sample ID: 18G1210-53

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 23:05	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 23:05	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 23:05	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 23:05	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 23:05	JMB
Aroclor-1254 [1]	0.28	0.11	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 23:05	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 23:05	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 23:05	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/7/18	8/14/18 23:05	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		85.4	30-150					8/14/18 23:05	
Decachlorobiphenyl [2]		85.0	30-150					8/14/18 23:05	
Tetrachloro-m-xylene [1]		82.6	30-150					8/14/18 23:05	
Tetrachloro-m-xylene [2]		84.7	30-150					8/14/18 23:05	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-3 (5.5-7.5)

Sampled: 7/27/2018 12:15

Sample ID: 18G1210-53

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	71.3		% Wt	1		SM 2540G	8/10/18	8/10/18 18:38	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-3 (7.5-9.5)

Sampled: 7/27/2018 12:16

Sample ID: 18G1210-54

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 23:05	TG
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 23:05	TG
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 23:05	TG
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 23:05	TG
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 23:05	TG
Aroclor-1254 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 23:05	TG
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 23:05	TG
Aroclor-1262 [2]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 23:05	TG
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 23:05	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		38.4	30-150					8/31/18 23:05	
Decachlorobiphenyl [2]		38.2	30-150					8/31/18 23:05	
Tetrachloro-m-xylene [1]		39.6	30-150					8/31/18 23:05	
Tetrachloro-m-xylene [2]		38.4	30-150					8/31/18 23:05	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-3 (7.5-9.5)

Sampled: 7/27/2018 12:16

Sample ID: 18G1210-54

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.5		% Wt	1		SM 2540G	8/31/18	9/1/18 8:51	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-3 (9.-11.5)

Sampled: 7/27/2018 12:17

Sample ID: 18G1210-55

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 23:23	TG
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 23:23	TG
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 23:23	TG
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 23:23	TG
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 23:23	TG
Aroclor-1254 [2]	0.21	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 23:23	TG
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 23:23	TG
Aroclor-1262 [2]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 23:23	TG
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 23:23	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		97.6	30-150					8/31/18 23:23	
Decachlorobiphenyl [2]		97.4	30-150					8/31/18 23:23	
Tetrachloro-m-xylene [1]		76.2	30-150					8/31/18 23:23	
Tetrachloro-m-xylene [2]		74.9	30-150					8/31/18 23:23	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-3 (9.-11.5)

Sampled: 7/27/2018 12:17

Sample ID: 18G1210-55

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.2		% Wt	1		SM 2540G	8/31/18	9/1/18 8:51	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-4 (3.5-5.5)

Sampled: 7/27/2018 12:34

Sample ID: 18G1210-56

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	8/7/18	8/14/18 23:22	JMB
Aroclor-1221 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	8/7/18	8/14/18 23:22	JMB
Aroclor-1232 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	8/7/18	8/14/18 23:22	JMB
Aroclor-1242 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	8/7/18	8/14/18 23:22	JMB
Aroclor-1248 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	8/7/18	8/14/18 23:22	JMB
Aroclor-1254 [1]	420	45	mg/Kg dry	2000		SW-846 8082A	8/7/18	8/14/18 23:22	JMB
Aroclor-1260 [2]	ND	45	mg/Kg dry	2000		SW-846 8082A	8/7/18	8/14/18 23:22	JMB
Aroclor-1262 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	8/7/18	8/14/18 23:22	JMB
Aroclor-1268 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	8/7/18	8/14/18 23:22	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/14/18 23:22	
Decachlorobiphenyl [2]		*	30-150		S-01			8/14/18 23:22	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/14/18 23:22	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/14/18 23:22	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-4 (3.5-5.5)

Sampled: 7/27/2018 12:34

Sample ID: 18G1210-56

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.4		% Wt	1		SM 2540G	8/10/18	8/10/18 18:38	MAT



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-4 (5.5-7.5)

Sampled: 7/27/2018 12:35

Sample ID: 18G1210-57

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	18	mg/Kg dry	800		SW-846 8082A	8/7/18	8/14/18 23:40	JMB
Aroclor-1221 [1]	ND	18	mg/Kg dry	800		SW-846 8082A	8/7/18	8/14/18 23:40	JMB
Aroclor-1232 [1]	ND	18	mg/Kg dry	800		SW-846 8082A	8/7/18	8/14/18 23:40	JMB
Aroclor-1242 [1]	ND	18	mg/Kg dry	800		SW-846 8082A	8/7/18	8/14/18 23:40	JMB
Aroclor-1248 [1]	ND	18	mg/Kg dry	800		SW-846 8082A	8/7/18	8/14/18 23:40	JMB
Aroclor-1254 [1]	140	18	mg/Kg dry	800		SW-846 8082A	8/7/18	8/14/18 23:40	JMB
Aroclor-1260 [2]	ND	18	mg/Kg dry	800		SW-846 8082A	8/7/18	8/14/18 23:40	JMB
Aroclor-1262 [1]	ND	18	mg/Kg dry	800		SW-846 8082A	8/7/18	8/14/18 23:40	JMB
Aroclor-1268 [1]	ND	18	mg/Kg dry	800		SW-846 8082A	8/7/18	8/14/18 23:40	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/14/18 23:40	
Decachlorobiphenyl [2]		*	30-150		S-01			8/14/18 23:40	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/14/18 23:40	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/14/18 23:40	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-4 (5.5-7.5)

Sampled: 7/27/2018 12:35

Sample ID: 18G1210-57

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.2		% Wt	1		SM 2540G	8/10/18	8/10/18 18:38	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-4 (7.5-9.5)

Sampled: 7/27/2018 12:36

Sample ID: 18G1210-58

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.076	mg/Kg wet	4		SW-846 8082A	8/8/18	8/31/18 23:42	TG
Aroclor-1221 [1]	ND	0.076	mg/Kg wet	4		SW-846 8082A	8/8/18	8/31/18 23:42	TG
Aroclor-1232 [1]	ND	0.076	mg/Kg wet	4		SW-846 8082A	8/8/18	8/31/18 23:42	TG
Aroclor-1242 [1]	ND	0.076	mg/Kg wet	4		SW-846 8082A	8/8/18	8/31/18 23:42	TG
Aroclor-1248 [1]	ND	0.076	mg/Kg wet	4		SW-846 8082A	8/8/18	8/31/18 23:42	TG
Aroclor-1254 [1]	ND	0.076	mg/Kg wet	4		SW-846 8082A	8/8/18	8/31/18 23:42	TG
Aroclor-1260 [1]	ND	0.076	mg/Kg wet	4		SW-846 8082A	8/8/18	8/31/18 23:42	TG
Aroclor-1262 [2]	ND	0.076	mg/Kg wet	4		SW-846 8082A	8/8/18	8/31/18 23:42	TG
Aroclor-1268 [1]	ND	0.076	mg/Kg wet	4		SW-846 8082A	8/8/18	8/31/18 23:42	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		99.6	30-150					8/31/18 23:42	
Decachlorobiphenyl [2]		96.5	30-150					8/31/18 23:42	
Tetrachloro-m-xylene [1]		93.9	30-150					8/31/18 23:42	
Tetrachloro-m-xylene [2]		91.0	30-150					8/31/18 23:42	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-4 (9.5-11.5)

Sampled: 7/27/2018 12:37

Sample ID: 18G1210-59

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 10:54	TG
Aroclor-1221 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 10:54	TG
Aroclor-1232 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 10:54	TG
Aroclor-1242 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 10:54	TG
Aroclor-1248 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 10:54	TG
Aroclor-1254 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 10:54	TG
Aroclor-1260 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 10:54	TG
Aroclor-1262 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 10:54	TG
Aroclor-1268 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 10:54	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		78.7	30-150					8/31/18 10:54	
Decachlorobiphenyl [2]		83.8	30-150					8/31/18 10:54	
Tetrachloro-m-xylene [1]		71.1	30-150					8/31/18 10:54	
Tetrachloro-m-xylene [2]		76.1	30-150					8/31/18 10:54	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-4 (9.5-11.5)

Sampled: 7/27/2018 12:37

Sample ID: 18G1210-59

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.7		% Wt	1		SM 2540G	8/8/18	8/9/18 8:47	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-5 (3.5-5.5)

Sampled: 7/27/2018 12:49

Sample ID: 18G1210-60

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	880	mg/Kg dry	40000		SW-846 8082A	8/7/18	8/14/18 23:57	JMB
Aroclor-1221 [1]	ND	880	mg/Kg dry	40000		SW-846 8082A	8/7/18	8/14/18 23:57	JMB
Aroclor-1232 [1]	ND	880	mg/Kg dry	40000		SW-846 8082A	8/7/18	8/14/18 23:57	JMB
Aroclor-1242 [1]	ND	880	mg/Kg dry	40000		SW-846 8082A	8/7/18	8/14/18 23:57	JMB
Aroclor-1248 [1]	ND	880	mg/Kg dry	40000		SW-846 8082A	8/7/18	8/14/18 23:57	JMB
Aroclor-1254 [1]	5900	880	mg/Kg dry	40000		SW-846 8082A	8/7/18	8/14/18 23:57	JMB
Aroclor-1260 [1]	ND	880	mg/Kg dry	40000		SW-846 8082A	8/7/18	8/14/18 23:57	JMB
Aroclor-1262 [1]	ND	880	mg/Kg dry	40000		SW-846 8082A	8/7/18	8/14/18 23:57	JMB
Aroclor-1268 [1]	ND	880	mg/Kg dry	40000		SW-846 8082A	8/7/18	8/14/18 23:57	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/14/18 23:57	
Decachlorobiphenyl [2]		*	30-150		S-01			8/14/18 23:57	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/14/18 23:57	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/14/18 23:57	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-5 (3.5-5.5)

Sampled: 7/27/2018 12:49

Sample ID: 18G1210-60

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.1		% Wt	1		SM 2540G	8/10/18	8/10/18 18:38	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-5 (5.5-7.5)

Sampled: 7/27/2018 12:50

Sample ID: 18G1210-61

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	8/7/18	8/15/18 0:14	JMB
Aroclor-1221 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	8/7/18	8/15/18 0:14	JMB
Aroclor-1232 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	8/7/18	8/15/18 0:14	JMB
Aroclor-1242 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	8/7/18	8/15/18 0:14	JMB
Aroclor-1248 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	8/7/18	8/15/18 0:14	JMB
Aroclor-1254 [1]	25	4.5	mg/Kg dry	200		SW-846 8082A	8/7/18	8/15/18 0:14	JMB
Aroclor-1260 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	8/7/18	8/15/18 0:14	JMB
Aroclor-1262 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	8/7/18	8/15/18 0:14	JMB
Aroclor-1268 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	8/7/18	8/15/18 0:14	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/15/18 0:14	
Decachlorobiphenyl [2]		*	30-150		S-01			8/15/18 0:14	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/15/18 0:14	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/15/18 0:14	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-5 (5.5-7.5)

Sampled: 7/27/2018 12:50

Sample ID: 18G1210-61

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.1		% Wt	1		SM 2540G	8/10/18	8/10/18 18:38	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-5 (7.5-9.5)

Sampled: 7/27/2018 12:51

Sample ID: 18G1210-62

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	8/8/18	8/31/18 8:22	TG
Aroclor-1221 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	8/8/18	8/31/18 8:22	TG
Aroclor-1232 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	8/8/18	8/31/18 8:22	TG
Aroclor-1242 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	8/8/18	8/31/18 8:22	TG
Aroclor-1248 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	8/8/18	8/31/18 8:22	TG
Aroclor-1254 [2]	1.3	0.47	mg/Kg dry	20		SW-846 8082A	8/8/18	8/31/18 8:22	TG
Aroclor-1260 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	8/8/18	8/31/18 8:22	TG
Aroclor-1262 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	8/8/18	8/31/18 8:22	TG
Aroclor-1268 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	8/8/18	8/31/18 8:22	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		97.2	30-150					8/31/18 8:22	
Decachlorobiphenyl [2]		102	30-150					8/31/18 8:22	
Tetrachloro-m-xylene [1]		89.5	30-150					8/31/18 8:22	
Tetrachloro-m-xylene [2]		101	30-150					8/31/18 8:22	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-5 (7.5-9.5)

Sampled: 7/27/2018 12:51

Sample ID: 18G1210-62

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.6		% Wt	1		SM 2540G	8/8/18	8/9/18 8:47	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-5 (9.5-11.5)

Sampled: 7/27/2018 12:52

Sample ID: 18G1210-63

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 18:57	TG
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 18:57	TG
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 18:57	TG
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 18:57	TG
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 18:57	TG
Aroclor-1254 [2]	0.46	0.092	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 18:57	TG
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 18:57	TG
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 18:57	TG
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 18:57	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		116	30-150					8/30/18 18:57	
Decachlorobiphenyl [2]		122	30-150					8/30/18 18:57	
Tetrachloro-m-xylene [1]		104	30-150					8/30/18 18:57	
Tetrachloro-m-xylene [2]		111	30-150					8/30/18 18:57	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-D-5 (9.5-11.5)

Sampled: 7/27/2018 12:52

Sample ID: 18G1210-63

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.5		% Wt	1		SM 2540G	8/8/18	8/9/18 8:47	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C.5-4 (3.5-5.5)

Sampled: 7/27/2018 13:04

Sample ID: 18G1210-64

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
Aroclor-1016 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	8/7/18	8/12/18 7:08	JMB
Aroclor-1221 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	8/7/18	8/12/18 7:08	JMB
Aroclor-1232 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	8/7/18	8/12/18 7:08	JMB
Aroclor-1242 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	8/7/18	8/12/18 7:08	JMB
Aroclor-1248 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	8/7/18	8/12/18 7:08	JMB
Aroclor-1254 [1]	4.9	0.43	mg/Kg dry	20		SW-846 8082A	8/7/18	8/12/18 7:08	JMB
Aroclor-1260 [2]	0.52	0.43	mg/Kg dry	20		SW-846 8082A	8/7/18	8/12/18 7:08	JMB
Aroclor-1262 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	8/7/18	8/12/18 7:08	JMB
Aroclor-1268 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	8/7/18	8/12/18 7:08	JMB
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	108		30-150				8/12/18 7:08		
Decachlorobiphenyl [2]	113		30-150				8/12/18 7:08		
Tetrachloro-m-xylene [1]	101		30-150				8/12/18 7:08		
Tetrachloro-m-xylene [2]	103		30-150				8/12/18 7:08		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C.5-4 (3.5-5.5)

Sampled: 7/27/2018 13:04

Sample ID: 18G1210-64

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.0		% Wt	1		SM 2540G	8/10/18	8/10/18 18:38	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C.5-4 (5.5-7.5)

Sampled: 7/27/2018 13:05

Sample ID: 18G1210-65

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
Aroclor-1016 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/7/18	8/12/18 7:27	JMB
Aroclor-1221 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/7/18	8/12/18 7:27	JMB
Aroclor-1232 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/7/18	8/12/18 7:27	JMB
Aroclor-1242 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/7/18	8/12/18 7:27	JMB
Aroclor-1248 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/7/18	8/12/18 7:27	JMB
Aroclor-1254 [1]	5.3	0.46	mg/Kg dry	20		SW-846 8082A	8/7/18	8/12/18 7:27	JMB
Aroclor-1260 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/7/18	8/12/18 7:27	JMB
Aroclor-1262 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/7/18	8/12/18 7:27	JMB
Aroclor-1268 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/7/18	8/12/18 7:27	JMB
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	103		30-150				8/12/18 7:27		
Decachlorobiphenyl [2]	116		30-150				8/12/18 7:27		
Tetrachloro-m-xylene [1]	91.6		30-150				8/12/18 7:27		
Tetrachloro-m-xylene [2]	94.8		30-150				8/12/18 7:27		



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C.5-4 (5.5-7.5)

Sampled: 7/27/2018 13:05

Sample ID: 18G1210-65

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.5		% Wt	1		SM 2540G	8/10/18	8/10/18 18:38	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C.5-4 (7.5-9.5)

Sampled: 7/27/2018 00:00

Sample ID: 18G1210-66

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 19:15	TG
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 19:15	TG
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 19:15	TG
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 19:15	TG
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 19:15	TG
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 19:15	TG
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 19:15	TG
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 19:15	TG
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 19:15	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		121	30-150					8/30/18 19:15	
Decachlorobiphenyl [2]		129	30-150					8/30/18 19:15	
Tetrachloro-m-xylene [1]		105	30-150					8/30/18 19:15	
Tetrachloro-m-xylene [2]		109	30-150					8/30/18 19:15	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C.5-4 (7.5-9.5)

Sampled: 7/27/2018 00:00

Sample ID: 18G1210-66

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	59.4		% Wt	1		SM 2540G	8/8/18	8/9/18 8:47	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C.5-4 (9.5-11.5)

Sampled: 7/27/2018 13:07

Sample ID: 18G1210-67

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 19:32	TG
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 19:32	TG
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 19:32	TG
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 19:32	TG
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 19:32	TG
Aroclor-1254 [2]	0.46	0.12	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 19:32	TG
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 19:32	TG
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 19:32	TG
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 19:32	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		118	30-150					8/30/18 19:32	
Decachlorobiphenyl [2]		127	30-150					8/30/18 19:32	
Tetrachloro-m-xylene [1]		107	30-150					8/30/18 19:32	
Tetrachloro-m-xylene [2]		112	30-150					8/30/18 19:32	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C.5-4 (9.5-11.5)

Sampled: 7/27/2018 13:07

Sample ID: 18G1210-67

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	66.3		% Wt	1		SM 2540G	8/8/18	8/9/18 8:47	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C.5-4 (11.5-13.5)

Sampled: 7/27/2018 13:08

Sample ID: 18G1210-68

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 19:49	TG
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 19:49	TG
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 19:49	TG
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 19:49	TG
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 19:49	TG
Aroclor-1254 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 19:49	TG
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 19:49	TG
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 19:49	TG
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 19:49	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		99.5	30-150					8/30/18 19:49	
Decachlorobiphenyl [2]		105	30-150					8/30/18 19:49	
Tetrachloro-m-xylene [1]		84.9	30-150					8/30/18 19:49	
Tetrachloro-m-xylene [2]		92.5	30-150					8/30/18 19:49	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-C.5-4 (11.5-13.5)

Sampled: 7/27/2018 13:08

Sample ID: 18G1210-68

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.4		% Wt	1		SM 2540G	8/8/18	8/9/18 8:47	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-2 (3.5-5.5)

Sampled: 7/27/2018 13:24

Sample ID: 18G1210-69

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 20:07	TG
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 20:07	TG
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 20:07	TG
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 20:07	TG
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 20:07	TG
Aroclor-1254 [1]	0.53	0.086	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 20:07	TG
Aroclor-1260 [2]	0.26	0.086	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 20:07	TG
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 20:07	TG
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 20:07	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		80.9	30-150					8/30/18 20:07	
Decachlorobiphenyl [2]		94.2	30-150					8/30/18 20:07	
Tetrachloro-m-xylene [1]		79.4	30-150					8/30/18 20:07	
Tetrachloro-m-xylene [2]		82.9	30-150					8/30/18 20:07	



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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-2 (3.5-5.5)

Sampled: 7/27/2018 13:24

Sample ID: 18G1210-69

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.6		% Wt	1		SM 2540G	8/8/18	8/9/18 8:48	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-2 (5.5-7.5)

Sampled: 7/27/2018 13:25

Sample ID: 18G1210-70

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/8/18	8/31/18 8:39	TG
Aroclor-1221 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/8/18	8/31/18 8:39	TG
Aroclor-1232 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/8/18	8/31/18 8:39	TG
Aroclor-1242 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/8/18	8/31/18 8:39	TG
Aroclor-1248 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/8/18	8/31/18 8:39	TG
Aroclor-1254 [2]	3.1	0.44	mg/Kg dry	20		SW-846 8082A	8/8/18	8/31/18 8:39	TG
Aroclor-1260 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/8/18	8/31/18 8:39	TG
Aroclor-1262 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/8/18	8/31/18 8:39	TG
Aroclor-1268 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/8/18	8/31/18 8:39	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		94.4	30-150					8/31/18 8:39	
Decachlorobiphenyl [2]		101	30-150					8/31/18 8:39	
Tetrachloro-m-xylene [1]		82.8	30-150					8/31/18 8:39	
Tetrachloro-m-xylene [2]		92.8	30-150					8/31/18 8:39	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-2 (5.5-7.5)

Sampled: 7/27/2018 13:25

Sample ID: 18G1210-70

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.3		% Wt	1		SM 2540G	8/8/18	8/9/18 8:48	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-2 (7.5-9.5)

Sampled: 7/27/2018 13:26

Sample ID: 18G1210-71

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 20:41	TG
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 20:41	TG
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 20:41	TG
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 20:41	TG
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 20:41	TG
Aroclor-1254 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 20:41	TG
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 20:41	TG
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 20:41	TG
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 20:41	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		97.1	30-150					8/30/18 20:41	
Decachlorobiphenyl [2]		106	30-150					8/30/18 20:41	
Tetrachloro-m-xylene [1]		93.4	30-150					8/30/18 20:41	
Tetrachloro-m-xylene [2]		95.3	30-150					8/30/18 20:41	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-2 (7.5-9.5)

Sampled: 7/27/2018 13:26

Sample ID: 18G1210-71

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.9		% Wt	1		SM 2540G	8/8/18	8/9/18 8:48	MJR

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-2 (9.5-11.5)

Sampled: 7/27/2018 13:27

Sample ID: 18G1210-72

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 20:58	TG
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 20:58	TG
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 20:58	TG
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 20:58	TG
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 20:58	TG
Aroclor-1254 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 20:58	TG
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 20:58	TG
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 20:58	TG
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 20:58	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		85.9	30-150					8/30/18 20:58	
Decachlorobiphenyl [2]		92.1	30-150					8/30/18 20:58	
Tetrachloro-m-xylene [1]		82.9	30-150					8/30/18 20:58	
Tetrachloro-m-xylene [2]		85.5	30-150					8/30/18 20:58	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-2 (9.5-11.5)

Sampled: 7/27/2018 13:27

Sample ID: 18G1210-72

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.4		% Wt	1		SM 2540G	8/8/18	8/9/18 8:48	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-2 (11.5-13.5)

Sampled: 7/27/2018 13:28

Sample ID: 18G1210-73

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 22:03	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 22:03	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 22:03	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 22:03	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 22:03	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 22:03	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 22:03	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 22:03	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 22:03	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		82.8	30-150					8/30/18 22:03	
Decachlorobiphenyl [2]		90.6	30-150					8/30/18 22:03	
Tetrachloro-m-xylene [1]		76.9	30-150					8/30/18 22:03	
Tetrachloro-m-xylene [2]		82.9	30-150					8/30/18 22:03	



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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-2 (11.5-13.5)

Sampled: 7/27/2018 13:28

Sample ID: 18G1210-73

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	78.4		% Wt	1		SM 2540G	8/8/18	8/9/18 8:48	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-2 (13.5-15.5)

Sampled: 7/27/2018 13:29

Sample ID: 18G1210-74

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 22:20	TG
Aroclor-1221 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 22:20	TG
Aroclor-1232 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 22:20	TG
Aroclor-1242 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 22:20	TG
Aroclor-1248 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 22:20	TG
Aroclor-1254 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 22:20	TG
Aroclor-1260 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 22:20	TG
Aroclor-1262 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 22:20	TG
Aroclor-1268 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 22:20	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		87.5	30-150					8/30/18 22:20	
Decachlorobiphenyl [2]		93.1	30-150					8/30/18 22:20	
Tetrachloro-m-xylene [1]		78.2	30-150					8/30/18 22:20	
Tetrachloro-m-xylene [2]		85.4	30-150					8/30/18 22:20	

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-2 (13.5-15.5)

Sampled: 7/27/2018 13:29

Sample ID: 18G1210-74

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.5		% Wt	1		SM 2540G	8/8/18	8/9/18 8:48	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-3 (3.5-5.5)

Sampled: 7/27/2018 13:38

Sample ID: 18G1210-75

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	8/8/18	8/31/18 8:57	TG
Aroclor-1221 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	8/8/18	8/31/18 8:57	TG
Aroclor-1232 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	8/8/18	8/31/18 8:57	TG
Aroclor-1242 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	8/8/18	8/31/18 8:57	TG
Aroclor-1248 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	8/8/18	8/31/18 8:57	TG
Aroclor-1254 [2]	15	2.2	mg/Kg dry	100		SW-846 8082A	8/8/18	8/31/18 8:57	TG
Aroclor-1260 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	8/8/18	8/31/18 8:57	TG
Aroclor-1262 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	8/8/18	8/31/18 8:57	TG
Aroclor-1268 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	8/8/18	8/31/18 8:57	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/31/18 8:57	
Decachlorobiphenyl [2]		*	30-150		S-01			8/31/18 8:57	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/31/18 8:57	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/31/18 8:57	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-3 (3.5-5.5)

Sampled: 7/27/2018 13:38

Sample ID: 18G1210-75

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.9		% Wt	1		SM 2540G	8/8/18	8/9/18 8:48	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-3 (5.5-7.5)

Sampled: 7/27/2018 13:39

Sample ID: 18G1210-76

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 22:54	TG
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 22:54	TG
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 22:54	TG
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 22:54	TG
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 22:54	TG
Aroclor-1254 [2]	0.41	0.087	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 22:54	TG
Aroclor-1260 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 22:54	TG
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 22:54	TG
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 22:54	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.8	30-150					8/30/18 22:54	
Decachlorobiphenyl [2]		90.4	30-150					8/30/18 22:54	
Tetrachloro-m-xylene [1]		78.5	30-150					8/30/18 22:54	
Tetrachloro-m-xylene [2]		83.9	30-150					8/30/18 22:54	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-3 (5.5-7.5)

Sampled: 7/27/2018 13:39

Sample ID: 18G1210-76

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.5		% Wt	1		SM 2540G	8/8/18	8/9/18 8:48	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-3 (7.5-9.5)

Sampled: 7/27/2018 13:40

Sample ID: 18G1210-77

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 23:12	TG
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 23:12	TG
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 23:12	TG
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 23:12	TG
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 23:12	TG
Aroclor-1254 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 23:12	TG
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 23:12	TG
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 23:12	TG
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 23:12	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		83.2	30-150					8/30/18 23:12	
Decachlorobiphenyl [2]		106	30-150					8/30/18 23:12	
Tetrachloro-m-xylene [1]		79.1	30-150					8/30/18 23:12	
Tetrachloro-m-xylene [2]		83.2	30-150					8/30/18 23:12	



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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-3 (7.5-9.5)

Sampled: 7/27/2018 13:40

Sample ID: 18G1210-77

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.6		% Wt	1		SM 2540G	8/8/18	8/9/18 8:49	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-3 (9.5-11.5)

Sampled: 7/27/2018 13:41

Sample ID: 18G1210-78

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 23:29	TG
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 23:29	TG
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 23:29	TG
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 23:29	TG
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 23:29	TG
Aroclor-1254 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 23:29	TG
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 23:29	TG
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 23:29	TG
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 23:29	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		81.5	30-150					8/30/18 23:29	
Decachlorobiphenyl [2]		91.5	30-150					8/30/18 23:29	
Tetrachloro-m-xylene [1]		80.8	30-150					8/30/18 23:29	
Tetrachloro-m-xylene [2]		83.9	30-150					8/30/18 23:29	

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-3 (9.5-11.5)

Sampled: 7/27/2018 13:41

Sample ID: 18G1210-78

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.5		% Wt	1		SM 2540G	8/8/18	8/9/18 8:49	MJR

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-3 (11.5-13.5)

Sampled: 7/27/2018 13:42

Sample ID: 18G1210-79

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 23:46	TG
Aroclor-1221 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 23:46	TG
Aroclor-1232 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 23:46	TG
Aroclor-1242 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 23:46	TG
Aroclor-1248 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 23:46	TG
Aroclor-1254 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 23:46	TG
Aroclor-1260 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 23:46	TG
Aroclor-1262 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 23:46	TG
Aroclor-1268 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/8/18	8/30/18 23:46	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		75.7	30-150					8/30/18 23:46	
Decachlorobiphenyl [2]		82.1	30-150					8/30/18 23:46	
Tetrachloro-m-xylene [1]		75.3	30-150					8/30/18 23:46	
Tetrachloro-m-xylene [2]		81.9	30-150					8/30/18 23:46	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-3 (11.5-13.5)

Sampled: 7/27/2018 13:42

Sample ID: 18G1210-79

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.8		% Wt	1		SM 2540G	8/8/18	8/9/18 8:49	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-4 (3.5-5.5)

Sampled: 7/27/2018 13:59

Sample ID: 18G1210-80

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/7/18	8/12/18 7:45	JMB
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/7/18	8/12/18 7:45	JMB
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/7/18	8/12/18 7:45	JMB
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/7/18	8/12/18 7:45	JMB
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/7/18	8/12/18 7:45	JMB
Aroclor-1254 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/7/18	8/12/18 7:45	JMB
Aroclor-1260 [1]	0.10	0.091	mg/Kg dry	4		SW-846 8082A	8/7/18	8/12/18 7:45	JMB
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/7/18	8/12/18 7:45	JMB
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/7/18	8/12/18 7:45	JMB
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	78.6		30-150				8/12/18 7:45		
Decachlorobiphenyl [2]	78.3		30-150				8/12/18 7:45		
Tetrachloro-m-xylene [1]	74.4		30-150				8/12/18 7:45		
Tetrachloro-m-xylene [2]	73.1		30-150				8/12/18 7:45		

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-4 (3.5-5.5)

Sampled: 7/27/2018 13:59

Sample ID: 18G1210-80

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.5		% Wt	1		SM 2540G	8/10/18	8/10/18 18:39	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-4 (5.5-7.5)

Sampled: 7/27/2018 14:00

Sample ID: 18G1210-81

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:05	JMB
Aroclor-1221 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:05	JMB
Aroclor-1232 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:05	JMB
Aroclor-1242 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:05	JMB
Aroclor-1248 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:05	JMB
Aroclor-1254 [1]	0.92	0.081	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:05	JMB
Aroclor-1260 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:05	JMB
Aroclor-1262 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:05	JMB
Aroclor-1268 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:05	JMB
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	87.6		30-150				8/11/18 18:05		
Decachlorobiphenyl [2]	87.4		30-150				8/11/18 18:05		
Tetrachloro-m-xylene [1]	87.3		30-150				8/11/18 18:05		
Tetrachloro-m-xylene [2]	86.2		30-150				8/11/18 18:05		



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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-4 (5.5-7.5)

Sampled: 7/27/2018 14:00

Sample ID: 18G1210-81

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.2		% Wt	1		SM 2540G	8/10/18	8/10/18 18:39	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-4 (7.5-9.5)

Sampled: 7/27/2018 14:01

Sample ID: 18G1210-82

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 0:03	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 0:03	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 0:03	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 0:03	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 0:03	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 0:03	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 0:03	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 0:03	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 0:03	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		72.7	30-150					8/31/18 0:03	
Decachlorobiphenyl [2]		92.3	30-150					8/31/18 0:03	
Tetrachloro-m-xylene [1]		75.7	30-150					8/31/18 0:03	
Tetrachloro-m-xylene [2]		79.5	30-150					8/31/18 0:03	

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-4 (7.5-9.5)

Sampled: 7/27/2018 14:01

Sample ID: 18G1210-82

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	75.5		% Wt	1		SM 2540G	8/8/18	8/9/18 8:49	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-4 (9.5-11.5)

Sampled: 7/27/2018 14:02

Sample ID: 18G1210-83

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 0:21	TG
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 0:21	TG
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 0:21	TG
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 0:21	TG
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 0:21	TG
Aroclor-1254 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 0:21	TG
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 0:21	TG
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 0:21	TG
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 0:21	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.2	30-150					8/31/18 0:21	
Decachlorobiphenyl [2]		89.8	30-150					8/31/18 0:21	
Tetrachloro-m-xylene [1]		81.1	30-150					8/31/18 0:21	
Tetrachloro-m-xylene [2]		87.6	30-150					8/31/18 0:21	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-4 (9.5-11.5)

Sampled: 7/27/2018 14:02

Sample ID: 18G1210-83

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.9		% Wt	1		SM 2540G	8/8/18	8/9/18 8:49	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-5 (3.5-5.5)

Sampled: 7/27/2018 14:09

Sample ID: 18G1210-84

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:23	JMB
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:23	JMB
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:23	JMB
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:23	JMB
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:23	JMB
Aroclor-1254 [1]	0.10	0.089	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:23	JMB
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:23	JMB
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:23	JMB
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:23	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		94.6	30-150					8/11/18 18:23	
Decachlorobiphenyl [2]		94.8	30-150					8/11/18 18:23	
Tetrachloro-m-xylene [1]		91.7	30-150					8/11/18 18:23	
Tetrachloro-m-xylene [2]		89.8	30-150					8/11/18 18:23	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-5 (3.5-5.5)

Sampled: 7/27/2018 14:09

Sample ID: 18G1210-84

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.6		% Wt	1		SM 2540G	8/10/18	8/10/18 18:39	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-5 (5.5-7.5)

Sampled: 7/27/2018 14:10

Sample ID: 18G1210-85

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:41	JMB
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:41	JMB
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:41	JMB
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:41	JMB
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:41	JMB
Aroclor-1254 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:41	JMB
Aroclor-1260 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:41	JMB
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:41	JMB
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	8/7/18	8/11/18 18:41	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		89.5	30-150					8/11/18 18:41	
Decachlorobiphenyl [2]		91.4	30-150					8/11/18 18:41	
Tetrachloro-m-xylene [1]		92.0	30-150					8/11/18 18:41	
Tetrachloro-m-xylene [2]		91.8	30-150					8/11/18 18:41	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-5 (5.5-7.5)

Sampled: 7/27/2018 14:10

Sample ID: 18G1210-85

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.0		% Wt	1		SM 2540G	8/10/18	8/10/18 18:39	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-5 (7.5-9.5)

Sampled: 7/27/2018 14:11

Sample ID: 18G1210-86

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 0:38	TG
Aroclor-1221 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 0:38	TG
Aroclor-1232 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 0:38	TG
Aroclor-1242 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 0:38	TG
Aroclor-1248 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 0:38	TG
Aroclor-1254 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 0:38	TG
Aroclor-1260 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 0:38	TG
Aroclor-1262 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 0:38	TG
Aroclor-1268 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 0:38	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		80.8	30-150					8/31/18 0:38	
Decachlorobiphenyl [2]		113	30-150					8/31/18 0:38	
Tetrachloro-m-xylene [1]		78.7	30-150					8/31/18 0:38	
Tetrachloro-m-xylene [2]		83.4	30-150					8/31/18 0:38	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-5 (7.5-9.5)

Sampled: 7/27/2018 14:11

Sample ID: 18G1210-86

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.8		% Wt	1		SM 2540G	8/8/18	8/9/18 8:49	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-5 (9.5-11.5)

Sampled: 7/27/2018 14:12

Sample ID: 18G1210-87

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 13:06	JMB
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 13:06	JMB
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 13:06	JMB
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 13:06	JMB
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 13:06	JMB
Aroclor-1254 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 13:06	JMB
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 13:06	JMB
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 13:06	JMB
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 13:06	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		98.1	30-150					8/31/18 13:06	
Decachlorobiphenyl [2]		100	30-150					8/31/18 13:06	
Tetrachloro-m-xylene [1]		102	30-150					8/31/18 13:06	
Tetrachloro-m-xylene [2]		105	30-150					8/31/18 13:06	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B-5 (9.5-11.5)

Sampled: 7/27/2018 14:12

Sample ID: 18G1210-87

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.2		% Wt	1		SM 2540G	8/8/18	8/9/18 8:49	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B.5-4 (3.5-5.5)

Sampled: 7/27/2018 14:19

Sample ID: 18G1210-88

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 13:24	JMB
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 13:24	JMB
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 13:24	JMB
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 13:24	JMB
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 13:24	JMB
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 13:24	JMB
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 13:24	JMB
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 13:24	JMB
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 13:24	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		81.5	30-150					8/31/18 13:24	
Decachlorobiphenyl [2]		80.4	30-150					8/31/18 13:24	
Tetrachloro-m-xylene [1]		91.3	30-150					8/31/18 13:24	
Tetrachloro-m-xylene [2]		94.1	30-150					8/31/18 13:24	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B.5-4 (3.5-5.5)

Sampled: 7/27/2018 14:19

Sample ID: 18G1210-88

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.0		% Wt	1		SM 2540G	8/8/18	8/9/18 8:49	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B.5-4 (5.5-7.5)

Sampled: 7/27/2018 14:20

Sample ID: 18G1210-89

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/8/18	8/31/18 16:05	JMB
Aroclor-1221 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/8/18	8/31/18 16:05	JMB
Aroclor-1232 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/8/18	8/31/18 16:05	JMB
Aroclor-1242 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/8/18	8/31/18 16:05	JMB
Aroclor-1248 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/8/18	8/31/18 16:05	JMB
Aroclor-1254 [2]	2.5	0.44	mg/Kg dry	20		SW-846 8082A	8/8/18	8/31/18 16:05	JMB
Aroclor-1260 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/8/18	8/31/18 16:05	JMB
Aroclor-1262 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/8/18	8/31/18 16:05	JMB
Aroclor-1268 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/8/18	8/31/18 16:05	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		92.2	30-150					8/31/18 16:05	
Decachlorobiphenyl [2]		97.3	30-150					8/31/18 16:05	
Tetrachloro-m-xylene [1]		89.8	30-150					8/31/18 16:05	
Tetrachloro-m-xylene [2]		91.0	30-150					8/31/18 16:05	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B.5-4 (5.5-7.5)

Sampled: 7/27/2018 14:20

Sample ID: 18G1210-89

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.5		% Wt	1		SM 2540G	8/8/18	8/9/18 8:49	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B.5-4 (7.5-9.5)

Sampled: 7/27/2018 14:21

Sample ID: 18G1210-90

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9800	mg/Kg dry	400000		SW-846 8082A	8/8/18	8/31/18 19:34	JMB
Aroclor-1221 [1]	ND	9800	mg/Kg dry	400000		SW-846 8082A	8/8/18	8/31/18 19:34	JMB
Aroclor-1232 [1]	ND	9800	mg/Kg dry	400000		SW-846 8082A	8/8/18	8/31/18 19:34	JMB
Aroclor-1242 [1]	ND	9800	mg/Kg dry	400000		SW-846 8082A	8/8/18	8/31/18 19:34	JMB
Aroclor-1248 [1]	ND	9800	mg/Kg dry	400000		SW-846 8082A	8/8/18	8/31/18 19:34	JMB
Aroclor-1254 [1]	40000	9800	mg/Kg dry	400000		SW-846 8082A	8/8/18	8/31/18 19:34	JMB
Aroclor-1260 [1]	ND	9800	mg/Kg dry	400000		SW-846 8082A	8/8/18	8/31/18 19:34	JMB
Aroclor-1262 [1]	ND	9800	mg/Kg dry	400000		SW-846 8082A	8/8/18	8/31/18 19:34	JMB
Aroclor-1268 [1]	ND	9800	mg/Kg dry	400000		SW-846 8082A	8/8/18	8/31/18 19:34	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/31/18 19:34	
Decachlorobiphenyl [2]		*	30-150		S-01			8/31/18 19:34	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/31/18 19:34	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/31/18 19:34	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B.5-4 (7.5-9.5)

Sampled: 7/27/2018 14:21

Sample ID: 18G1210-90

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.3		% Wt	1		SM 2540G	8/8/18	8/9/18 8:50	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B.5-4 (9.5-11.5)

Sampled: 7/27/2018 14:22

Sample ID: 18G1210-91

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/8/18	8/31/18 20:46	JMB
Aroclor-1221 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/8/18	8/31/18 20:46	JMB
Aroclor-1232 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/8/18	8/31/18 20:46	JMB
Aroclor-1242 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/8/18	8/31/18 20:46	JMB
Aroclor-1248 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/8/18	8/31/18 20:46	JMB
Aroclor-1254 [1]	8.3	1.8	mg/Kg dry	80		SW-846 8082A	8/8/18	8/31/18 20:46	JMB
Aroclor-1260 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/8/18	8/31/18 20:46	JMB
Aroclor-1262 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/8/18	8/31/18 20:46	JMB
Aroclor-1268 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/8/18	8/31/18 20:46	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/31/18 20:46	
Decachlorobiphenyl [2]		*	30-150		S-01			8/31/18 20:46	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/31/18 20:46	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/31/18 20:46	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-B.5-4 (9.5-11.5)

Sampled: 7/27/2018 14:22

Sample ID: 18G1210-91

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.5		% Wt	1		SM 2540G	8/8/18	8/9/18 8:50	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-A-9 (3.5-5.5)

Sampled: 7/27/2018 14:34

Sample ID: 18G1210-92

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/8/18	8/31/18 21:03	JMB
Aroclor-1221 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/8/18	8/31/18 21:03	JMB
Aroclor-1232 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/8/18	8/31/18 21:03	JMB
Aroclor-1242 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/8/18	8/31/18 21:03	JMB
Aroclor-1248 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/8/18	8/31/18 21:03	JMB
Aroclor-1254 [1]	2.4	0.46	mg/Kg dry	20		SW-846 8082A	8/8/18	8/31/18 21:03	JMB
Aroclor-1260 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/8/18	8/31/18 21:03	JMB
Aroclor-1262 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/8/18	8/31/18 21:03	JMB
Aroclor-1268 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/8/18	8/31/18 21:03	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		95.8	30-150					8/31/18 21:03	
Decachlorobiphenyl [2]		83.3	30-150					8/31/18 21:03	
Tetrachloro-m-xylene [1]		74.5	30-150					8/31/18 21:03	
Tetrachloro-m-xylene [2]		69.1	30-150					8/31/18 21:03	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-A-9 (3.5-5.5)

Sampled: 7/27/2018 14:34

Sample ID: 18G1210-92

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.5		% Wt	1		SM 2540G	8/8/18	8/9/18 8:50	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-A-9 (5.5-7.5)

Sampled: 7/27/2018 14:35

Sample ID: 18G1210-93

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 14:54	JMB
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 14:54	JMB
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 14:54	JMB
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 14:54	JMB
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 14:54	JMB
Aroclor-1254 [1]	0.26	0.089	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 14:54	JMB
Aroclor-1260 [1]	0.23	0.089	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 14:54	JMB
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 14:54	JMB
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 14:54	JMB
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	73.3		30-150				8/31/18 14:54		
Decachlorobiphenyl [2]	72.5		30-150				8/31/18 14:54		
Tetrachloro-m-xylene [1]	80.5		30-150				8/31/18 14:54		
Tetrachloro-m-xylene [2]	77.7		30-150				8/31/18 14:54		



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-A-9 (5.5-7.5)

Sampled: 7/27/2018 14:35

Sample ID: 18G1210-93

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.7		% Wt	1		SM 2540G	8/8/18	8/9/18 8:50	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-A-9 (7.5-9.5)

Sampled: 7/27/2018 14:36

Sample ID: 18G1210-94

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 15:11	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 15:11	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 15:11	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 15:11	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 15:11	JMB
Aroclor-1254 [1]	0.18	0.097	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 15:11	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 15:11	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 15:11	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 15:11	JMB
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	88.0		30-150				8/31/18 15:11		
Decachlorobiphenyl [2]	81.1		30-150				8/31/18 15:11		
Tetrachloro-m-xylene [1]	88.8		30-150				8/31/18 15:11		
Tetrachloro-m-xylene [2]	82.5		30-150				8/31/18 15:11		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-A-9 (7.5-9.5)

Sampled: 7/27/2018 14:36

Sample ID: 18G1210-94

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.6		% Wt	1		SM 2540G	8/8/18	8/9/18 8:50	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-A-9 (9.5-11.5)

Sampled: 7/27/2018 14:37

Sample ID: 18G1210-95

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 15:29	JMB
Aroclor-1221 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 15:29	JMB
Aroclor-1232 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 15:29	JMB
Aroclor-1242 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 15:29	JMB
Aroclor-1248 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 15:29	JMB
Aroclor-1254 [1]	1.2	0.17	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 15:29	JMB
Aroclor-1260 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 15:29	JMB
Aroclor-1262 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 15:29	JMB
Aroclor-1268 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 15:29	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		57.0	30-150					8/31/18 15:29	
Decachlorobiphenyl [2]		53.4	30-150					8/31/18 15:29	
Tetrachloro-m-xylene [1]		64.7	30-150					8/31/18 15:29	
Tetrachloro-m-xylene [2]		65.2	30-150					8/31/18 15:29	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-A-9 (9.5-11.5)

Sampled: 7/27/2018 14:37

Sample ID: 18G1210-95

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	45.8		% Wt	1		SM 2540G	8/8/18	8/9/18 8:50	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-A-9 (11.5-13.5)

Sampled: 7/27/2018 14:38

Sample ID: 18G1210-96

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 15:47	JMB
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 15:47	JMB
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 15:47	JMB
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 15:47	JMB
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 15:47	JMB
Aroclor-1254 [2]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 15:47	JMB
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 15:47	JMB
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 15:47	JMB
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 15:47	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		92.7	30-150					8/31/18 15:47	
Decachlorobiphenyl [2]		86.3	30-150					8/31/18 15:47	
Tetrachloro-m-xylene [1]		96.0	30-150					8/31/18 15:47	
Tetrachloro-m-xylene [2]		95.0	30-150					8/31/18 15:47	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-A-9 (11.5-13.5)

Sampled: 7/27/2018 14:38

Sample ID: 18G1210-96

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.8		% Wt	1		SM 2540G	8/8/18	8/9/18 8:50	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-A-7 (3.5-5.5)

Sampled: 7/27/2018 14:49

Sample ID: 18G1210-97

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 18:41	JMB
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 18:41	JMB
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 18:41	JMB
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 18:41	JMB
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 18:41	JMB
Aroclor-1254 [1]	0.14	0.085	mg/Kg dry	4	P-01	SW-846 8082A	8/8/18	8/31/18 18:41	JMB
Aroclor-1260 [1]	0.12	0.085	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 18:41	JMB
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 18:41	JMB
Aroclor-1268 [1]	0.19	0.085	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 18:41	JMB
Surrogates	% Recovery		Recovery Limits	Flag/Qual					
Decachlorobiphenyl [1]	153	*	30-150	S-24		8/31/18 18:41			
Decachlorobiphenyl [2]	139		30-150			8/31/18 18:41			
Tetrachloro-m-xylene [1]	85.0		30-150			8/31/18 18:41			
Tetrachloro-m-xylene [2]	76.1		30-150			8/31/18 18:41			



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-A-7 (3.5-5.5)

Sampled: 7/27/2018 14:49

Sample ID: 18G1210-97

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.2		% Wt	1		SM 2540G	8/8/18	8/9/18 8:51	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-A-7 (5.5-7.5)

Sampled: 7/27/2018 14:50

Sample ID: 18G1210-98

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 18:59	JMB
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 18:59	JMB
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 18:59	JMB
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 18:59	JMB
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 18:59	JMB
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 18:59	JMB
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 18:59	JMB
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 18:59	JMB
Aroclor-1268 [1]	1.0	0.085	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 18:59	JMB
Surrogates	% Recovery		Recovery Limits	Flag/Qual					
Decachlorobiphenyl [1]	542	*	30-150	S-24		8/31/18 18:59			
Decachlorobiphenyl [2]	516	*	30-150	S-24		8/31/18 18:59			
Tetrachloro-m-xylene [1]	85.4		30-150			8/31/18 18:59			
Tetrachloro-m-xylene [2]	76.7		30-150			8/31/18 18:59			

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-A-7 (5.5-7.5)

Sampled: 7/27/2018 14:50

Sample ID: 18G1210-98

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.8		% Wt	1		SM 2540G	8/8/18	8/9/18 8:51	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-A-7 (7.5-9.5)

Sampled: 7/27/2018 14:51

Sample ID: 18G1210-99

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 19:17	JMB
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 19:17	JMB
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 19:17	JMB
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 19:17	JMB
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 19:17	JMB
Aroclor-1254 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 19:17	JMB
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 19:17	JMB
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 19:17	JMB
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 19:17	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		77.5	30-150					8/31/18 19:17	
Decachlorobiphenyl [2]		71.1	30-150					8/31/18 19:17	
Tetrachloro-m-xylene [1]		83.6	30-150					8/31/18 19:17	
Tetrachloro-m-xylene [2]		77.3	30-150					8/31/18 19:17	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-A-7 (7.5-9.5)

Sampled: 7/27/2018 14:51

Sample ID: 18G1210-99

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.6		% Wt	1		SM 2540G	8/8/18	8/9/18 8:51	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-A-7 (9.5-11.5)

Sampled: 7/27/2018 14:52

Sample ID: 18G1210-AA

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 19:53	JMB
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 19:53	JMB
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 19:53	JMB
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 19:53	JMB
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 19:53	JMB
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 19:53	JMB
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 19:53	JMB
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 19:53	JMB
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 19:53	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		93.7	30-150					8/31/18 19:53	
Decachlorobiphenyl [2]		84.3	30-150					8/31/18 19:53	
Tetrachloro-m-xylene [1]		101	30-150					8/31/18 19:53	
Tetrachloro-m-xylene [2]		98.5	30-150					8/31/18 19:53	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-A-7 (9.5-11.5)

Sampled: 7/27/2018 14:52

Sample ID: 18G1210-AA

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.2		% Wt	1		SM 2540G	8/8/18	8/9/18 8:51	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-A-7 (11.5-13.5)

Sampled: 7/27/2018 14:53

Sample ID: 18G1210-AB

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 20:10	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 20:10	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 20:10	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 20:10	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 20:10	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 20:10	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 20:10	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 20:10	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 20:10	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		90.9	30-150					8/31/18 20:10	
Decachlorobiphenyl [2]		82.8	30-150					8/31/18 20:10	
Tetrachloro-m-xylene [1]		94.1	30-150					8/31/18 20:10	
Tetrachloro-m-xylene [2]		91.4	30-150					8/31/18 20:10	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-A-7 (11.5-13.5)

Sampled: 7/27/2018 14:53

Sample ID: 18G1210-AB

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	68.8		% Wt	1		SM 2540G	8/8/18	8/9/18 8:51	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-A-7 (13.5-15.5)

Sampled: 7/27/2018 14:54

Sample ID: 18G1210-AC

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 20:28	JMB
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 20:28	JMB
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 20:28	JMB
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 20:28	JMB
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 20:28	JMB
Aroclor-1254 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 20:28	JMB
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 20:28	JMB
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 20:28	JMB
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/8/18	8/31/18 20:28	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		99.6	30-150					8/31/18 20:28	
Decachlorobiphenyl [2]		91.6	30-150					8/31/18 20:28	
Tetrachloro-m-xylene [1]		101	30-150					8/31/18 20:28	
Tetrachloro-m-xylene [2]		98.9	30-150					8/31/18 20:28	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1210

Date Received: 7/27/2018

Field Sample #: B-A-7 (13.5-15.5)

Sampled: 7/27/2018 14:54

Sample ID: 18G1210-AC

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.8		% Wt	1		SM 2540G	8/8/18	8/9/18 8:52	MJR

**Sample Extraction Data**

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18G1210-59 [B-D-4 (9.5-11.5)]	B209880	08/08/18
18G1210-62 [B-D-5 (7.5-9.5)]	B209880	08/08/18
18G1210-63 [B-D-5 (9.5-11.5)]	B209880	08/08/18
18G1210-66 [B-C.5-4 (7.5-9.5)]	B209880	08/08/18
18G1210-67 [B-C.5-4 (9.5-11.5)]	B209880	08/08/18
18G1210-68 [B-C.5-4 (11.5-13.5)]	B209880	08/08/18
18G1210-69 [B-B-2 (3.5-5.5)]	B209880	08/08/18
18G1210-70 [B-B-2 (5.5-7.5)]	B209880	08/08/18
18G1210-71 [B-B-2 (7.5-9.5)]	B209880	08/08/18
18G1210-72 [B-B-2 (9.5-11.5)]	B209880	08/08/18
18G1210-73 [B-B-2 (11.5-13.5)]	B209880	08/08/18
18G1210-74 [B-B-2 (13.5-15.5)]	B209880	08/08/18
18G1210-75 [B-B-3 (3.5-5.5)]	B209880	08/08/18
18G1210-76 [B-B-3 (5.5-7.5)]	B209880	08/08/18
18G1210-77 [B-B-3 (7.5-9.5)]	B209880	08/08/18
18G1210-78 [B-B-3 (9.5-11.5)]	B209880	08/08/18
18G1210-79 [B-B-3 (11.5-13.5)]	B209880	08/08/18
18G1210-82 [B-B-4 (7.5-9.5)]	B209880	08/08/18
18G1210-83 [B-B-4 (9.5-11.5)]	B209880	08/08/18
18G1210-86 [B-B-5 (7.5-9.5)]	B209880	08/08/18
18G1210-87 [B-B-5 (9.5-11.5)]	B209880	08/08/18
18G1210-88 [B-B.5-4 (3.5-5.5)]	B209880	08/08/18
18G1210-89 [B-B.5-4 (5.5-7.5)]	B209880	08/08/18
18G1210-90 [B-B.5-4 (7.5-9.5)]	B209880	08/08/18
18G1210-91 [B-B.5-4 (9.5-11.5)]	B209880	08/08/18
18G1210-92 [B-A-9 (3.5-5.5)]	B209880	08/08/18
18G1210-93 [B-A-9 (5.5-7.5)]	B209880	08/08/18
18G1210-94 [B-A-9 (7.5-9.5)]	B209880	08/08/18
18G1210-95 [B-A-9 (9.5-11.5)]	B209880	08/08/18
18G1210-96 [B-A-9 (11.5-13.5)]	B209880	08/08/18
18G1210-97 [B-A-7 (3.5-5.5)]	B209880	08/08/18
18G1210-98 [B-A-7 (5.5-7.5)]	B209880	08/08/18
18G1210-99 [B-A-7 (7.5-9.5)]	B209880	08/08/18
18G1210-AA [B-A-7 (9.5-11.5)]	B209880	08/08/18
18G1210-AB [B-A-7 (11.5-13.5)]	B209880	08/08/18
18G1210-AC [B-A-7 (13.5-15.5)]	B209880	08/08/18

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18G1210-19 [B-C-5 (3.5-5.5)]	B210028	08/10/18
18G1210-20 [B-C-5 (5.5-7.5)]	B210028	08/10/18
18G1210-24 [B-C-4.5 (3.5-5.5)]	B210028	08/10/18
18G1210-25 [B-C-4.5 (5.5-7.5)]	B210028	08/10/18
18G1210-29 [B-C-4 (3.5-5.5)]	B210028	08/10/18
18G1210-30 [B-C-4 (5.5-7.5)]	B210028	08/10/18
18G1210-34 [B-C-3.5 (3.5-5.5)]	B210028	08/10/18
18G1210-35 [B-C-3.5 (5.5-7.5)]	B210028	08/10/18
18G1210-39 [B-C-3 (3.5-5.5)]	B210028	08/10/18
18G1210-40 [B-C-3 (5.5-7.5)]	B210028	08/10/18
18G1210-43 [B-C-2 (3.5-5.5)]	B210028	08/10/18
18G1210-44 [B-C-2 (5.5-7.5)]	B210028	08/10/18
18G1210-48 [B-D-2 (3.5-5.5)]	B210028	08/10/18
18G1210-49 [B-D-2 (5.5-7.5)]	B210028	08/10/18

**Sample Extraction Data**

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18G1210-52 [B-D-3 (3.5-5.5)]	B210028	08/10/18
18G1210-53 [B-D-3 (5.5-7.5)]	B210028	08/10/18
18G1210-56 [B-D-4 (3.5-5.5)]	B210028	08/10/18
18G1210-57 [B-D-4 (5.5-7.5)]	B210028	08/10/18
18G1210-60 [B-D-5 (3.5-5.5)]	B210028	08/10/18
18G1210-61 [B-D-5 (5.5-7.5)]	B210028	08/10/18
18G1210-64 [B-C.5-4 (3.5-5.5)]	B210028	08/10/18
18G1210-65 [B-C.5-4 (5.5-7.5)]	B210028	08/10/18
18G1210-80 [B-B-4 (3.5-5.5)]	B210028	08/10/18
18G1210-81 [B-B-4 (5.5-7.5)]	B210028	08/10/18
18G1210-84 [B-B-5 (3.5-5.5)]	B210028	08/10/18
18G1210-85 [B-B-5 (5.5-7.5)]	B210028	08/10/18

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18G1210-01 [B-E-11 (3.5-5.5)]	B211565	08/31/18
18G1210-02 [B-E-11 (5.5-7.5)]	B211565	08/31/18
18G1210-03 [B-E-11 (7.5-9.5)]	B211565	08/31/18
18G1210-04 [B-E-11 (9.5-11.5)]	B211565	08/31/18
18G1210-05 [B-E-11 (11.5-13.5)]	B211565	08/31/18
18G1210-06 [B-C-11 (3.5-5.5)]	B211565	08/31/18
18G1210-07 [B-C-11 (5.5-7.5)]	B211565	08/31/18
18G1210-08 [B-C-11 (7.5-9.5)]	B211565	08/31/18
18G1210-09 [B-C-11 (9.5-11.5)]	B211565	08/31/18
18G1210-10 [B-C-9 (3.5-5.5)]	B211565	08/31/18
18G1210-11 [B-C-9 (5.5-7.5)]	B211565	08/31/18
18G1210-12 [B-C-9 (7.5-9.5)]	B211565	08/31/18
18G1210-13 [B-C-9 (9.5-11.5)]	B211565	08/31/18
18G1210-14 [B-C-9 (11.5-13.5)]	B211565	08/31/18
18G1210-15 [B-C-7 (3.5-5.5)]	B211565	08/31/18
18G1210-16 [B-C-7 (5.5-7.5)]	B211565	08/31/18
18G1210-17 [B-C-7 (7.5-9.5)]	B211565	08/31/18
18G1210-18 [B-C-7 (9.5-11.5)]	B211565	08/31/18
18G1210-21 [B-C-5 (7.5-9.5)]	B211565	08/31/18
18G1210-22 [B-C-5 (9.5-11.5)]	B211565	08/31/18
18G1210-23 [B-C-5 (11.5-13.5)]	B211565	08/31/18
18G1210-26 [B-C-4.5 (7.5-9.5)]	B211565	08/31/18
18G1210-27 [B-C-4.5 (9.5-11.5)]	B211565	08/31/18
18G1210-28 [B-C-4.5 (11.5-13.5)]	B211565	08/31/18
18G1210-31 [B-C-4 (7.5-9.5)]	B211565	08/31/18
18G1210-32 [B-C-4 (9.5-11.5)]	B211565	08/31/18
18G1210-33 [B-C-9 (11.5-13.5)]	B211565	08/31/18
18G1210-36 [B-C-3.5 (7.5-9.5)]	B211565	08/31/18
18G1210-37 [B-C-3.5 (9.5-11.5)]	B211565	08/31/18
18G1210-38 [B-C-3.5 (11.5-13.5)]	B211565	08/31/18
18G1210-41 [B-C-3 (7.5-9.5)]	B211565	08/31/18
18G1210-42 [B-C-3 (9.5-11.5)]	B211565	08/31/18
18G1210-45 [B-C-2 (7.5-9.5)]	B211565	08/31/18
18G1210-46 [B-C-2 (9.5-11.5)]	B211565	08/31/18
18G1210-47 [B-C-2 (11.5-13.5)]	B211565	08/31/18
18G1210-50 [B-D-2 (7.5-9.5)]	B211565	08/31/18
18G1210-51 [B-D-2 (9.5-11.5)]	B211565	08/31/18
18G1210-54 [B-D-3 (7.5-9.5)]	B211565	08/31/18

**Sample Extraction Data**

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18G1210-55 [B-D-3 (9.-11.5)]	B211565	08/31/18

**Prep Method: SW-846 3051-SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1210-23 [B-C-5 (11.5-13.5)]	B211573	1.49	50.0	08/31/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1210-01 [B-E-11 (3.5-5.5)]	B209740	10.0	10.0	08/07/18
18G1210-02 [B-E-11 (5.5-7.5)]	B209740	10.0	10.0	08/07/18
18G1210-03 [B-E-11 (7.5-9.5)]	B209740	10.0	10.0	08/07/18
18G1210-04 [B-E-11 (9.5-11.5)]	B209740	10.0	10.0	08/07/18
18G1210-05 [B-E-11 (11.5-13.5)]	B209740	10.0	10.0	08/07/18
18G1210-06 [B-C-11 (3.5-5.5)]	B209740	10.0	10.0	08/07/18
18G1210-07 [B-C-11 (5.5-7.5)]	B209740	10.0	10.0	08/07/18
18G1210-08 [B-C-11 (7.5-9.5)]	B209740	10.0	10.0	08/07/18
18G1210-09 [B-C-11 (9.5-11.5)]	B209740	10.0	10.0	08/07/18
18G1210-10 [B-C-9 (3.5-5.5)]	B209740	10.0	10.0	08/07/18
18G1210-11 [B-C-9 (5.5-7.5)]	B209740	10.0	10.0	08/07/18
18G1210-12 [B-C-9 (7.5-9.5)]	B209740	10.0	10.0	08/07/18
18G1210-13 [B-C-9 (9.5-11.5)]	B209740	10.1	10.0	08/07/18
18G1210-14 [B-C-9 (11.5-13.5)]	B209740	10.0	10.0	08/07/18
18G1210-15 [B-C-7 (3.5-5.5)]	B209740	10.0	10.0	08/07/18
18G1210-16 [B-C-7 (5.5-7.5)]	B209740	10.0	10.0	08/07/18
18G1210-17 [B-C-7 (7.5-9.5)]	B209740	10.0	10.0	08/07/18
18G1210-18 [B-C-7 (9.5-11.5)]	B209740	10.0	10.0	08/07/18
18G1210-21 [B-C-5 (7.5-9.5)]	B209740	10.2	10.0	08/07/18
18G1210-22 [B-C-5 (9.5-11.5)]	B209740	10.0	10.0	08/07/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1210-19 [B-C-5 (3.5-5.5)]	B209767	10.0	10.0	08/07/18
18G1210-20 [B-C-5 (5.5-7.5)]	B209767	10.0	10.0	08/07/18
18G1210-24 [B-C-4.5 (3.5-5.5)]	B209767	10.0	10.0	08/07/18
18G1210-25 [B-C-4.5 (5.5-7.5)]	B209767	10.0	10.0	08/07/18
18G1210-29 [B-C-4 (3.5-5.5)]	B209767	10.0	10.0	08/07/18
18G1210-30 [B-C-4 (5.5-7.5)]	B209767	10.0	10.0	08/07/18
18G1210-34 [B-C-3.5 (3.5-5.5)]	B209767	10.0	10.0	08/07/18
18G1210-35 [B-C-3.5 (5.5-7.5)]	B209767	10.0	10.0	08/07/18
18G1210-39 [B-C-3 (3.5-5.5)]	B209767	10.0	10.0	08/07/18
18G1210-40 [B-C-3 (5.5-7.5)]	B209767	10.0	10.0	08/07/18
18G1210-43 [B-C-2 (3.5-5.5)]	B209767	10.0	10.0	08/07/18
18G1210-44 [B-C-2 (5.5-7.5)]	B209767	10.0	10.0	08/07/18
18G1210-48 [B-D-2 (3.5-5.5)]	B209767	10.0	10.0	08/07/18
18G1210-49 [B-D-2 (5.5-7.5)]	B209767	10.0	10.0	08/07/18
18G1210-52 [B-D-3 (3.5-5.5)]	B209767	10.0	10.0	08/07/18
18G1210-53 [B-D-3 (5.5-7.5)]	B209767	10.0	10.0	08/07/18
18G1210-56 [B-D-4 (3.5-5.5)]	B209767	10.0	10.0	08/07/18

**Sample Extraction Data**

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1210-57 [B-D-4 (5.5-7.5)]	B209767	10.0	10.0	08/07/18
18G1210-60 [B-D-5 (3.5-5.5)]	B209767	10.0	10.0	08/07/18
18G1210-61 [B-D-5 (5.5-7.5)]	B209767	10.0	10.0	08/07/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1210-64 [B-C.5-4 (3.5-5.5)]	B209768	10.1	10.0	08/07/18
18G1210-65 [B-C.5-4 (5.5-7.5)]	B209768	10.5	10.0	08/07/18
18G1210-80 [B-B-4 (3.5-5.5)]	B209768	10.2	10.0	08/07/18
18G1210-81 [B-B-4 (5.5-7.5)]	B209768	10.7	10.0	08/07/18
18G1210-84 [B-B-5 (3.5-5.5)]	B209768	10.7	10.0	08/07/18
18G1210-85 [B-B-5 (5.5-7.5)]	B209768	10.6	10.0	08/07/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1210-23 [B-C-5 (11.5-13.5)]	B209783	10.7	10.0	08/08/18
18G1210-26 [B-C-4.5 (7.5-9.5)]	B209783	10.4	10.0	08/08/18
18G1210-27 [B-C-4.5 (9.5-11.5)]	B209783	10.0	10.0	08/08/18
18G1210-28 [B-C-4.5 (11.5-13.5)]	B209783	10.5	10.0	08/08/18
18G1210-31 [B-C-4 (7.5-9.5)]	B209783	10.6	10.0	08/08/18
18G1210-32 [B-C-4 (9.5-11.5)]	B209783	10.5	10.0	08/08/18
18G1210-33 [B-C-9 (11.5-13.5)]	B209783	10.1	10.0	08/08/18
18G1210-36 [B-C-3.5 (7.5-9.5)]	B209783	10.2	10.0	08/08/18
18G1210-37 [B-C-3.5 (9.5-11.5)]	B209783	10.3	10.0	08/08/18
18G1210-38 [B-C-3.5 (11.5-13.5)]	B209783	10.4	10.0	08/08/18
18G1210-41 [B-C-3 (7.5-9.5)]	B209783	10.9	10.0	08/08/18
18G1210-42 [B-C-3 (9.5-11.5)]	B209783	10.5	10.0	08/08/18
18G1210-45 [B-C-2 (7.5-9.5)]	B209783	10.8	10.0	08/08/18
18G1210-46 [B-C-2 (9.5-11.5)]	B209783	10.2	10.0	08/08/18
18G1210-47 [B-C-2 (11.5-13.5)]	B209783	10.1	10.0	08/08/18
18G1210-50 [B-D-2 (7.5-9.5)]	B209783	10.1	10.0	08/08/18
18G1210-51 [B-D-2 (9.5-11.5)]	B209783	10.4	10.0	08/08/18
18G1210-54 [B-D-3 (7.5-9.5)]	B209783	10.4	10.0	08/08/18
18G1210-55 [B-D-3 (9.-11.5)]	B209783	10.8	10.0	08/08/18
18G1210-58 [B-D-4 (7.5-9.5)]	B209783	10.5	10.0	08/08/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1210-59 [B-D-4 (9.5-11.5)]	B209866	10.1	10.0	08/08/18
18G1210-62 [B-D-5 (7.5-9.5)]	B209866	10.0	10.0	08/08/18
18G1210-63 [B-D-5 (9.5-11.5)]	B209866	10.1	10.0	08/08/18
18G1210-66 [B-C.5-4 (7.5-9.5)]	B209866	10.1	10.0	08/08/18
18G1210-67 [B-C.5-4 (9.5-11.5)]	B209866	10.2	10.0	08/08/18
18G1210-68 [B-C.5-4 (11.5-13.5)]	B209866	10.0	10.0	08/08/18
18G1210-69 [B-B-2 (3.5-5.5)]	B209866	10.2	10.0	08/08/18
18G1210-70 [B-B-2 (5.5-7.5)]	B209866	10.1	10.0	08/08/18
18G1210-71 [B-B-2 (7.5-9.5)]	B209866	10.0	10.0	08/08/18
18G1210-72 [B-B-2 (9.5-11.5)]	B209866	10.1	10.0	08/08/18

**Sample Extraction Data**

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1210-73 [B-B-2 (11.5-13.5)]	B209866	10.1	10.0	08/08/18
18G1210-74 [B-B-2 (13.5-15.5)]	B209866	10.0	10.0	08/08/18
18G1210-75 [B-B-3 (3.5-5.5)]	B209866	10.0	10.0	08/08/18
18G1210-76 [B-B-3 (5.5-7.5)]	B209866	10.0	10.0	08/08/18
18G1210-77 [B-B-3 (7.5-9.5)]	B209866	10.0	10.0	08/08/18
18G1210-78 [B-B-3 (9.5-11.5)]	B209866	10.1	10.0	08/08/18
18G1210-79 [B-B-3 (11.5-13.5)]	B209866	10.1	10.0	08/08/18
18G1210-82 [B-B-4 (7.5-9.5)]	B209866	10.3	10.0	08/08/18
18G1210-83 [B-B-4 (9.5-11.5)]	B209866	10.1	10.0	08/08/18
18G1210-86 [B-B-5 (7.5-9.5)]	B209866	10.0	10.0	08/08/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1210-87 [B-B-5 (9.5-11.5)]	B209867	10.1	10.0	08/08/18
18G1210-88 [B-B-5-4 (3.5-5.5)]	B209867	10.0	10.0	08/08/18
18G1210-89 [B-B-5-4 (5.5-7.5)]	B209867	10.0	10.0	08/08/18
18G1210-90 [B-B-5-4 (7.5-9.5)]	B209867	10.0	10.0	08/08/18
18G1210-91 [B-B-5-4 (9.5-11.5)]	B209867	10.3	10.0	08/08/18
18G1210-92 [B-A-9 (3.5-5.5)]	B209867	10.0	10.0	08/08/18
18G1210-93 [B-A-9 (5.5-7.5)]	B209867	10.0	10.0	08/08/18
18G1210-94 [B-A-9 (7.5-9.5)]	B209867	10.0	10.0	08/08/18
18G1210-95 [B-A-9 (9.5-11.5)]	B209867	10.0	10.0	08/08/18
18G1210-96 [B-A-9 (11.5-13.5)]	B209867	10.0	10.0	08/08/18
18G1210-97 [B-A-7 (3.5-5.5)]	B209867	10.1	10.0	08/08/18
18G1210-98 [B-A-7 (5.5-7.5)]	B209867	10.0	10.0	08/08/18
18G1210-99 [B-A-7 (7.5-9.5)]	B209867	10.1	10.0	08/08/18
18G1210-AA [B-A-7 (9.5-11.5)]	B209867	10.0	10.0	08/08/18
18G1210-AB [B-A-7 (11.5-13.5)]	B209867	10.2	10.0	08/08/18
18G1210-AC [B-A-7 (13.5-15.5)]	B209867	10.1	10.0	08/08/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1210-50RE1 [B-D-2 (7.5-9.5)]	B211521	10.2	10.0	08/31/18



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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209740 - SW-846 3540C</b>										
<b>Blank (B209740-BLK1)</b>										
Prepared: 08/07/18 Analyzed: 08/24/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.180		mg/Kg wet	0.200		89.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.204		mg/Kg wet	0.200		102	30-150			
Surrogate: Tetrachloro-m-xylene	0.173		mg/Kg wet	0.200		86.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.179		mg/Kg wet	0.200		89.7	30-150			
<b>LCS (B209740-BS1)</b>										
Prepared: 08/07/18 Analyzed: 08/24/18										
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		92.4	40-140			
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		98.2	40-140			
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		91.9	40-140			
Aroclor-1260 [2C]	0.20	0.020	mg/Kg wet	0.200		100	40-140			
Surrogate: Decachlorobiphenyl	0.194		mg/Kg wet	0.200		96.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.220		mg/Kg wet	0.200		110	30-150			
Surrogate: Tetrachloro-m-xylene	0.183		mg/Kg wet	0.200		91.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.191		mg/Kg wet	0.200		95.4	30-150			
<b>LCS Dup (B209740-BSD1)</b>										
Prepared: 08/07/18 Analyzed: 08/24/18										
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		83.9	40-140	9.70	30	
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		86.9	40-140	12.2	30	
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		87.5	40-140	4.88	30	
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		93.7	40-140	6.53	30	
Surrogate: Decachlorobiphenyl	0.190		mg/Kg wet	0.200		94.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.215		mg/Kg wet	0.200		107	30-150			
Surrogate: Tetrachloro-m-xylene	0.180		mg/Kg wet	0.200		89.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.186		mg/Kg wet	0.200		92.9	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209740 - SW-846 3540C</b>										
<b>Matrix Spike (B209740-MS1)</b>	<b>Source: 18G1210-01</b>			Prepared: 08/07/18 Analyzed: 08/25/18						
Aroclor-1016	0.22	0.089	mg/Kg dry	0.223	ND	99.5	40-140			
Aroclor-1016 [2C]	0.21	0.089	mg/Kg dry	0.223	ND	95.4	40-140			
<b>Aroclor-1260</b>	0.39	0.089	mg/Kg dry	0.223	ND	<b>177</b> *	40-140			MS-21
Aroclor-1260 [2C]	0.29	0.089	mg/Kg dry	0.223	ND	131	40-140			
Surrogate: Decachlorobiphenyl	0.202		mg/Kg dry	0.223		90.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.315		mg/Kg dry	0.223		141	30-150			
Surrogate: Tetrachloro-m-xylene	0.189		mg/Kg dry	0.223		85.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.193		mg/Kg dry	0.223		86.6	30-150			
<b>Matrix Spike Dup (B209740-MSD1)</b>	<b>Source: 18G1210-01</b>			Prepared: 08/07/18 Analyzed: 08/25/18						
Aroclor-1016	0.21	0.089	mg/Kg dry	0.223	ND	96.2	40-140	3.40	50	
Aroclor-1016 [2C]	0.20	0.089	mg/Kg dry	0.223	ND	92.0	40-140	3.61	50	
<b>Aroclor-1260</b>	0.36	0.089	mg/Kg dry	0.223	ND	<b>161</b> *	40-140	9.53	50	MS-21
Aroclor-1260 [2C]	0.27	0.089	mg/Kg dry	0.223	ND	121	40-140	8.06	50	
Surrogate: Decachlorobiphenyl	0.196		mg/Kg dry	0.223		87.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.301		mg/Kg dry	0.223		135	30-150			
Surrogate: Tetrachloro-m-xylene	0.182		mg/Kg dry	0.223		81.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.187		mg/Kg dry	0.223		83.8	30-150			
<b>Batch B209767 - SW-846 3540C</b>										
<b>Blank (B209767-BLK1)</b>	Prepared: 08/07/18 Analyzed: 08/14/18									
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.172		mg/Kg wet	0.200		86.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.211		mg/Kg wet	0.200		105	30-150			
Surrogate: Tetrachloro-m-xylene	0.180		mg/Kg wet	0.200		89.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.174		mg/Kg wet	0.200		86.8	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209767 - SW-846 3540C</b>										
<b>LCS (B209767-BS1)</b>										
Prepared: 08/07/18 Analyzed: 08/14/18										
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		94.3	40-140			
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		101	40-140			
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		83.4	40-140			
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		95.3	40-140			
Surrogate: Decachlorobiphenyl	0.196		mg/Kg wet	0.200		97.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.241		mg/Kg wet	0.200		120	30-150			
Surrogate: Tetrachloro-m-xylene	0.201		mg/Kg wet	0.200		100	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.193		mg/Kg wet	0.200		96.7	30-150			
<b>LCS Dup (B209767-BSD1)</b>										
Prepared: 08/07/18 Analyzed: 08/14/18										
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		93.0	40-140	1.37	30	
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		95.7	40-140	5.36	30	
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		81.9	40-140	1.86	30	
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		92.9	40-140	2.49	30	
Surrogate: Decachlorobiphenyl	0.189		mg/Kg wet	0.200		94.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.234		mg/Kg wet	0.200		117	30-150			
Surrogate: Tetrachloro-m-xylene	0.196		mg/Kg wet	0.200		98.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.188		mg/Kg wet	0.200		94.1	30-150			
<b>Batch B209768 - SW-846 3540C</b>										
<b>Blank (B209768-BLK1)</b>										
Prepared: 08/07/18 Analyzed: 08/08/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.180		mg/Kg wet	0.200		89.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.193		mg/Kg wet	0.200		96.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.177		mg/Kg wet	0.200		88.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.187		mg/Kg wet	0.200		93.5	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209768 - SW-846 3540C</b>										
<b>LCS (B209768-BS1)</b>										
Prepared: 08/07/18 Analyzed: 08/08/18										
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		86.5	40-140			
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		85.3	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		78.7	40-140			
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		77.3	40-140			
Surrogate: Decachlorobiphenyl	0.169		mg/Kg wet	0.200		84.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.182		mg/Kg wet	0.200		90.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.171		mg/Kg wet	0.200		85.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.181		mg/Kg wet	0.200		90.6	30-150			
<b>LCS Dup (B209768-BSD1)</b>										
Prepared: 08/07/18 Analyzed: 08/08/18										
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		87.7	40-140	1.47	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		88.0	40-140	3.19	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		83.4	40-140	5.79	30	
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		83.1	40-140	7.17	30	
Surrogate: Decachlorobiphenyl	0.180		mg/Kg wet	0.200		90.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.195		mg/Kg wet	0.200		97.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.177		mg/Kg wet	0.200		88.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.188		mg/Kg wet	0.200		93.8	30-150			
<b>Batch B209783 - SW-846 3540C</b>										
<b>Blank (B209783-BLK1)</b>										
Prepared: 08/08/18 Analyzed: 08/31/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.193		mg/Kg wet	0.200		96.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.186		mg/Kg wet	0.200		92.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.191		mg/Kg wet	0.200		95.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.178		mg/Kg wet	0.200		89.1	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B209783 - SW-846 3540C**

**LCS (B209783-BS1)**

Prepared: 08/08/18 Analyzed: 08/31/18

Aroclor-1016	0.20	0.020	mg/Kg wet	0.200		98.3	40-140			
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		89.9	40-140			
Aroclor-1260	0.19	0.020	mg/Kg wet	0.200		94.6	40-140			
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		86.1	40-140			
Surrogate: Decachlorobiphenyl	0.206		mg/Kg wet	0.200		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.198		mg/Kg wet	0.200		99.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.201		mg/Kg wet	0.200		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.188		mg/Kg wet	0.200		94.0	30-150			

**LCS Dup (B209783-BSD1)**

Prepared: 08/08/18 Analyzed: 08/31/18

Aroclor-1016	0.20	0.020	mg/Kg wet	0.200		98.6	40-140	0.294	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		88.4	40-140	1.67	30	
Aroclor-1260	0.19	0.020	mg/Kg wet	0.200		92.7	40-140	2.02	30	
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		84.2	40-140	2.24	30	
Surrogate: Decachlorobiphenyl	0.200		mg/Kg wet	0.200		99.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.193		mg/Kg wet	0.200		96.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.194		mg/Kg wet	0.200		97.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.183		mg/Kg wet	0.200		91.3	30-150			

**Matrix Spike (B209783-MS1)**

**Source: 18G1210-23**

Prepared: 08/08/18 Analyzed: 08/31/18

Aroclor-1016	0.13	0.094	mg/Kg dry	0.235	ND	56.7	40-140			
Aroclor-1016 [2C]	0.15	0.094	mg/Kg dry	0.235	ND	62.5	40-140			
Aroclor-1260	0.22	0.094	mg/Kg dry	0.235	ND	92.3	40-140			
Aroclor-1260 [2C]	0.21	0.094	mg/Kg dry	0.235	ND	91.3	40-140			
Surrogate: Decachlorobiphenyl	0.252		mg/Kg dry	0.235		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.246		mg/Kg dry	0.235		105	30-150			
Surrogate: Tetrachloro-m-xylene	0.188		mg/Kg dry	0.235		80.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.183		mg/Kg dry	0.235		77.9	30-150			

**Matrix Spike Dup (B209783-MSD1)**

**Source: 18G1210-23**

Prepared: 08/08/18 Analyzed: 08/31/18

Aroclor-1016	0.22	0.094	mg/Kg dry	0.235	ND	91.9	40-140	47.4	50	
Aroclor-1016 [2C]	0.21	0.094	mg/Kg dry	0.235	ND	89.1	40-140	35.0	50	
Aroclor-1260	0.23	0.094	mg/Kg dry	0.235	ND	97.9	40-140	5.91	50	
Aroclor-1260 [2C]	0.22	0.094	mg/Kg dry	0.235	ND	95.2	40-140	4.16	50	
Surrogate: Decachlorobiphenyl	0.269		mg/Kg dry	0.235		114	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.261		mg/Kg dry	0.235		111	30-150			
Surrogate: Tetrachloro-m-xylene	0.190		mg/Kg dry	0.235		80.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.190		mg/Kg dry	0.235		80.8	30-150			

**Batch B209866 - SW-846 3540C**

**Blank (B209866-BLK1)**

Prepared: 08/08/18 Analyzed: 08/30/18

Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209866 - SW-846 3540C</b>										
<b>Blank (B209866-BLK1)</b>										
Prepared: 08/08/18 Analyzed: 08/30/18										
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.194		mg/Kg wet	0.200		97.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.203		mg/Kg wet	0.200		102	30-150			
Surrogate: Tetrachloro-m-xylene	0.189		mg/Kg wet	0.200		94.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.198		mg/Kg wet	0.200		99.0	30-150			
<b>LCS (B209866-BS1)</b>										
Prepared: 08/08/18 Analyzed: 08/30/18										
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		92.0	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		97.2	40-140			
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		85.3	40-140			
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		92.7	40-140			
Surrogate: Decachlorobiphenyl	0.193		mg/Kg wet	0.200		96.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.204		mg/Kg wet	0.200		102	30-150			
Surrogate: Tetrachloro-m-xylene	0.181		mg/Kg wet	0.200		90.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.192		mg/Kg wet	0.200		95.9	30-150			
<b>LCS Dup (B209866-BSD1)</b>										
Prepared: 08/08/18 Analyzed: 08/30/18										
Aroclor-1016	0.20	0.020	mg/Kg wet	0.200		98.9	40-140	7.18	30	
Aroclor-1016 [2C]	0.21	0.020	mg/Kg wet	0.200		103	40-140	5.80	30	
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		90.1	40-140	5.47	30	
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		97.2	40-140	4.77	30	
Surrogate: Decachlorobiphenyl	0.198		mg/Kg wet	0.200		99.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.210		mg/Kg wet	0.200		105	30-150			
Surrogate: Tetrachloro-m-xylene	0.189		mg/Kg wet	0.200		94.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.200		mg/Kg wet	0.200		99.8	30-150			
<b>Matrix Spike (B209866-MS1)</b>										
<b>Source: 18G1210-59</b>										
Prepared: 08/08/18 Analyzed: 08/31/18										
Aroclor-1016	0.22	0.097	mg/Kg dry	0.242	ND	89.6	40-140			
Aroclor-1016 [2C]	0.25	0.097	mg/Kg dry	0.242	ND	101	40-140			
Aroclor-1260	0.20	0.097	mg/Kg dry	0.242	ND	83.9	40-140			
Aroclor-1260 [2C]	0.23	0.097	mg/Kg dry	0.242	ND	92.9	40-140			
Surrogate: Decachlorobiphenyl	0.192		mg/Kg dry	0.242		79.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.218		mg/Kg dry	0.242		90.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.199		mg/Kg dry	0.242		82.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.213		mg/Kg dry	0.242		87.8	30-150			
<b>Matrix Spike Dup (B209866-MSD1)</b>										
<b>Source: 18G1210-59</b>										
Prepared: 08/08/18 Analyzed: 08/31/18										
Aroclor-1016	0.22	0.097	mg/Kg dry	0.242	ND	91.3	40-140	1.92	50	
Aroclor-1016 [2C]	0.24	0.097	mg/Kg dry	0.242	ND	97.2	40-140	4.09	50	
Aroclor-1260	0.21	0.097	mg/Kg dry	0.242	ND	87.2	40-140	3.82	50	
Aroclor-1260 [2C]	0.23	0.097	mg/Kg dry	0.242	ND	96.1	40-140	3.41	50	
Surrogate: Decachlorobiphenyl	0.215		mg/Kg dry	0.242		88.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.228		mg/Kg dry	0.242		94.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.179		mg/Kg dry	0.242		73.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.192		mg/Kg dry	0.242		79.1	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209867 - SW-846 3540C</b>										
<b>Blank (B209867-BLK1)</b>										
Prepared: 08/08/18 Analyzed: 08/14/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.154		mg/Kg wet	0.200		77.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.166		mg/Kg wet	0.200		83.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.171		mg/Kg wet	0.200		85.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.183		mg/Kg wet	0.200		91.5	30-150			
<b>LCS (B209867-BS1)</b>										
Prepared: 08/08/18 Analyzed: 08/14/18										
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		93.6	40-140			
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		89.3	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		79.6	40-140			
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		82.5	40-140			
Surrogate: Decachlorobiphenyl	0.164		mg/Kg wet	0.200		81.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.179		mg/Kg wet	0.200		89.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.181		mg/Kg wet	0.200		90.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.196		mg/Kg wet	0.200		97.8	30-150			
<b>LCS Dup (B209867-BSD1)</b>										
Prepared: 08/08/18 Analyzed: 08/14/18										
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		91.7	40-140	2.02	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		89.7	40-140	0.470	30	
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		78.9	40-140	0.975	30	
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		82.4	40-140	0.0709	30	
Surrogate: Decachlorobiphenyl	0.166		mg/Kg wet	0.200		83.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.182		mg/Kg wet	0.200		91.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.177		mg/Kg wet	0.200		88.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.192		mg/Kg wet	0.200		96.2	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209867 - SW-846 3540C</b>										
<b>Matrix Spike (B209867-MS1)</b>	<b>Source: 18G1210-87</b>			Prepared: 08/08/18 Analyzed: 08/31/18						
Aroclor-1016	0.25	0.092	mg/Kg dry	0.230	ND	111	40-140			
Aroclor-1016 [2C]	0.23	0.092	mg/Kg dry	0.230	ND	100	40-140			
Aroclor-1260	0.22	0.092	mg/Kg dry	0.230	ND	94.4	40-140			
Aroclor-1260 [2C]	0.21	0.092	mg/Kg dry	0.230	ND	89.6	40-140			
Surrogate: Decachlorobiphenyl	0.222		mg/Kg dry	0.230		96.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.203		mg/Kg dry	0.230		88.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.228		mg/Kg dry	0.230		99.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.218		mg/Kg dry	0.230		94.7	30-150			
<b>Matrix Spike Dup (B209867-MSD1)</b>	<b>Source: 18G1210-87</b>			Prepared: 08/08/18 Analyzed: 08/31/18						
Aroclor-1016	0.24	0.092	mg/Kg dry	0.230	ND	103	40-140	7.11	50	
Aroclor-1016 [2C]	0.23	0.092	mg/Kg dry	0.230	ND	101	40-140	0.632	50	
Aroclor-1260	0.22	0.092	mg/Kg dry	0.230	ND	95.9	40-140	1.60	50	
Aroclor-1260 [2C]	0.21	0.092	mg/Kg dry	0.230	ND	90.0	40-140	0.472	50	
Surrogate: Decachlorobiphenyl	0.230		mg/Kg dry	0.230		100	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.210		mg/Kg dry	0.230		91.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.239		mg/Kg dry	0.230		104	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.232		mg/Kg dry	0.230		101	30-150			
<b>Batch B211521 - SW-846 3540C</b>										
<b>Blank (B211521-BLK1)</b>	Prepared: 08/31/18 Analyzed: 09/02/18									
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.191		mg/Kg wet	0.200		95.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.218		mg/Kg wet	0.200		109	30-150			
Surrogate: Tetrachloro-m-xylene	0.180		mg/Kg wet	0.200		90.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.188		mg/Kg wet	0.200		94.0	30-150			



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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B211521 - SW-846 3540C**

**LCS (B211521-BS1)**

Prepared: 08/31/18 Analyzed: 09/02/18

Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		85.7	40-140			
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		89.8	40-140			
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		86.8	40-140			
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		92.6	40-140			
Surrogate: Decachlorobiphenyl	0.188		mg/Kg wet	0.200		93.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.215		mg/Kg wet	0.200		108	30-150			
Surrogate: Tetrachloro-m-xylene	0.180		mg/Kg wet	0.200		90.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.181		mg/Kg wet	0.200		90.6	30-150			

**LCS Dup (B211521-BS1)**

Prepared: 08/31/18 Analyzed: 09/02/18

Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		85.8	40-140	0.0921	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		89.1	40-140	0.812	30	
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		88.6	40-140	2.10	30	
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		95.2	40-140	2.79	30	
Surrogate: Decachlorobiphenyl	0.186		mg/Kg wet	0.200		93.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.215		mg/Kg wet	0.200		108	30-150			
Surrogate: Tetrachloro-m-xylene	0.179		mg/Kg wet	0.200		89.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.180		mg/Kg wet	0.200		90.1	30-150			

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**QUALITY CONTROL**

**Metals Analyses (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B211573 - SW-846 3051</b>										
<b>Blank (B211573-BLK1)</b>										
Prepared & Analyzed: 08/31/18										
Lead	ND	0.50	mg/Kg wet							
<b>LCS (B211573-BS1)</b>										
Prepared & Analyzed: 08/31/18										
Lead	112	1.5	mg/Kg wet	111	101		83-117.1			
<b>LCS Dup (B211573-BSD1)</b>										
Prepared & Analyzed: 08/31/18										
Lead	120	1.4	mg/Kg wet	111	108		83-117.1	6.68	30	
<b>MRL Check (B211573-MRL1)</b>										
Prepared & Analyzed: 08/31/18										
Lead	0.495	0.49	mg/Kg wet	0.493	101		80-120			

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**QUALITY CONTROL**

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209880 - % Solids</b>										
<b>Duplicate (B209880-DUP1)</b>	<b>Source: 18G1210-AA</b>		Prepared & Analyzed: 08/09/18							
% Solids	86.0		% Wt		89.2			3.70	20	
<b>Duplicate (B209880-DUP2)</b>	<b>Source: 18G1210-AB</b>		Prepared & Analyzed: 08/09/18							
% Solids	67.7		% Wt		68.8			1.65	20	
<b>Duplicate (B209880-DUP3)</b>	<b>Source: 18G1210-AC</b>		Prepared & Analyzed: 08/09/18							
% Solids	85.2		% Wt		84.8			0.435	20	
<b>Batch B210028 - % Solids</b>										
<b>Duplicate (B210028-DUP1)</b>	<b>Source: 18G1210-19</b>		Prepared & Analyzed: 08/10/18							
% Solids	95.1		% Wt		94.5			0.653	20	
<b>Duplicate (B210028-DUP2)</b>	<b>Source: 18G1210-52</b>		Prepared & Analyzed: 08/10/18							
% Solids	76.1		% Wt		75.4			0.936	20	
<b>Duplicate (B210028-DUP3)</b>	<b>Source: 18G1210-80</b>		Prepared & Analyzed: 08/10/18							
% Solids	85.4		% Wt		86.5			1.34	20	
<b>Batch B211565 - % Solids</b>										
<b>Duplicate (B211565-DUP8)</b>	<b>Source: 18G1210-10</b>		Prepared: 08/31/18 Analyzed: 09/01/18							
% Solids	89.0		% Wt		89.0			0.0126	20	
<b>Duplicate (B211565-DUP9)</b>	<b>Source: 18G1210-21</b>		Prepared: 08/31/18 Analyzed: 09/01/18							
% Solids	88.9		% Wt		87.1			2.10	20	
<b>Duplicate (B211565-DUPA)</b>	<b>Source: 18G1210-41</b>		Prepared: 08/31/18 Analyzed: 09/01/18							
% Solids	86.2		% Wt		86.9			0.768	20	
<b>Duplicate (B211565-DUPB)</b>	<b>Source: 18G1210-54</b>		Prepared: 08/31/18 Analyzed: 09/01/18							
% Solids	83.3		% Wt		84.5			1.41	20	

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-E-11 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-01 Date(s) Analyzed: 08/24/2018 08/24/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.14	
	2	0.000	-0.030	0.030	0.13	7.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-E-11 (5.5-7.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-02 Date(s) Analyzed: 08/24/2018 08/24/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.54	
	2	0.000	-0.030	0.030	0.52	3.8

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-E-11 (9.5-11.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-04 Date(s) Analyzed: 08/24/2018 08/24/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.10	
	2	0.000	-0.030	0.030	0.097	3.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-E-11 (11.5-13.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-05 Date(s) Analyzed: 08/24/2018 08/24/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.34	
	2	0.000	-0.030	0.030	0.32	6.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-11 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-06 Date(s) Analyzed: 08/24/2018 08/24/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.13	26.7



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-11 (9.5-11.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-09 Date(s) Analyzed: 08/25/2018 08/25/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	4.4	
	2	0.000	-0.030	0.030	4.1	7.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-C-9 (3.5-5.5)**

Lab Sample ID: 18G1210-10 Date(s) Analyzed: 08/24/2018 08/24/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.56	
	2	0.000	-0.030	0.030	0.58	3.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-7 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-15 Date(s) Analyzed: 08/25/2018 08/25/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.18	15.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-7 (5.5-7.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-16 Date(s) Analyzed: 08/25/2018 08/25/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	11	
	2	0.000	-0.030	0.030	11	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-7 (7.5-9.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-17 Date(s) Analyzed: 08/25/2018 08/25/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.13	
	2	0.000	-0.030	0.030	0.13	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-5 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-19 Date(s) Analyzed: 08/14/2018 08/14/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.40	
	2	0.000	-0.030	0.030	0.44	9.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-C-5 (5.5-7.5)**

Lab Sample ID: 18G1210-20 Date(s) Analyzed: 08/14/2018 08/14/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	12	
	2	0.000	-0.030	0.030	13	8.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-4.5 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-24 Date(s) Analyzed: 08/14/2018 08/14/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2000	
	2	0.000	-0.030	0.030	2100	4.9



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-4.5 (5.5-7.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-25 Date(s) Analyzed: 08/14/2018 08/14/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	13	
	2	0.000	-0.030	0.030	15	14.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-4.5 (9.5-11.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-27 Date(s) Analyzed: 08/31/2018 08/31/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.26	
	2	0.000	-0.030	0.030	0.28	7.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-4.5 (11.5-13.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-28 Date(s) Analyzed: 08/31/2018 08/31/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.32	
	2	0.000	-0.030	0.030	0.33	3.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-4 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-29 Date(s) Analyzed: 08/14/2018 08/14/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	790	
	2	0.000	-0.030	0.030	880	10.8

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-4 (5.5-7.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-30 Date(s) Analyzed: 08/14/2018 08/14/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	27	
	2	0.000	-0.030	0.030	30	10.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-4 (7.5-9.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-31 Date(s) Analyzed: 08/31/2018 08/31/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.60	
	2	0.000	-0.030	0.030	0.60	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-4 (9.5-11.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-32 Date(s) Analyzed: 08/31/2018 08/31/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.80	
	2	0.000	-0.030	0.030	0.80	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-9 (11.5-13.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-33 Date(s) Analyzed: 08/31/2018 08/31/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.24	
	2	0.000	-0.030	0.030	0.26	8.0



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-3.5 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-34 Date(s) Analyzed: 08/14/2018 08/14/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1700	
	2	0.000	-0.030	0.030	1900	11.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-3.5 (5.5-7.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-35 Date(s) Analyzed: 08/14/2018 08/14/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2400	
	2	0.000	-0.030	0.030	2600	8.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-3.5 (7.5-9.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-36 Date(s) Analyzed: 09/01/2018 09/01/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	5.4	
	2	0.000	-0.030	0.030	5.1	5.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-3.5 (9.5-11.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-37 Date(s) Analyzed: 08/31/2018 08/31/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.56	
	2	0.000	-0.030	0.030	0.58	3.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-3.5 (11.5-13.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-38 Date(s) Analyzed: 08/31/2018 08/31/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.21	4.9

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-3 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-39 Date(s) Analyzed: 08/14/2018 08/14/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	4.6	
	2	0.000	-0.030	0.030	5.2	12.2

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-3 (5.5-7.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-40 Date(s) Analyzed: 08/14/2018 08/14/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.3	
	2	0.000	-0.030	0.030	2.2	4.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-3 (7.5-9.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-41 Date(s) Analyzed: 09/01/2018 09/01/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	4.4	
	2	0.000	-0.030	0.030	3.9	12.0



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-2 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-43 Date(s) Analyzed: 08/14/2018 08/14/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.64	
	2	0.000	-0.030	0.030	0.62	3.2
Aroclor-1260	1	0.000	-0.030	0.030	0.22	
	2	0.000	-0.030	0.030	0.24	8.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-D-2 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-48 Date(s) Analyzed: 08/14/2018 08/14/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	-0.030	0.030	1.9	
	2	0.000	-0.030	0.030	1.7	11.1
Aroclor-1254	1	0.000	-0.030	0.030	5.4	
	2	0.000	-0.030	0.030	5.7	5.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-D-2 (5.5-7.5)**

Lab Sample ID: 18G1210-49 Date(s) Analyzed: 08/14/2018 08/14/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	12	
	2	0.000	-0.030	0.030	11	8.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-D-3 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-52 Date(s) Analyzed: 08/14/2018 08/14/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.23	
	2	0.000	-0.030	0.030	0.21	9.1
Aroclor-1260	1	0.000	-0.030	0.030	0.24	
	2	0.000	-0.030	0.030	0.24	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-D-3 (5.5-7.5)**

Lab Sample ID: 18G1210-53 Date(s) Analyzed: 08/14/2018 08/14/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.28	
	2	0.000	-0.030	0.030	0.28	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-D-3 (9.-11.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-55 Date(s) Analyzed: 08/31/2018 08/31/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.21	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-D-4 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-56 Date(s) Analyzed: 08/14/2018 08/14/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	420	
	2	0.000	-0.030	0.030	410	2.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-D-4 (5.5-7.5)**

Lab Sample ID: 18G1210-57 Date(s) Analyzed: 08/14/2018 08/14/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	140	
	2	0.000	-0.030	0.030	140	0.0



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-D-5 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-60 Date(s) Analyzed: 08/14/2018 08/14/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	5900	
	2	0.000	-0.030	0.030	5800	1.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-D-5 (5.5-7.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-61 Date(s) Analyzed: 08/15/2018 08/15/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	25	
	2	0.000	-0.030	0.030	24	4.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-D-5 (7.5-9.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-62 Date(s) Analyzed: 08/31/2018 08/31/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.2	
	2	0.000	-0.030	0.030	1.3	8.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-D-5 (9.5-11.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-63 Date(s) Analyzed: 08/30/2018 08/30/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.42	
	2	0.000	-0.030	0.030	0.46	9.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-C.5-4 (3.5-5.5)**

Lab Sample ID: 18G1210-64 Date(s) Analyzed: 08/12/2018 08/12/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	4.9	
	2	0.000	-0.030	0.030	4.9	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.45	
	2	0.000	-0.030	0.030	0.52	12.2

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C.5-4 (5.5-7.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-65 Date(s) Analyzed: 08/12/2018 08/12/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	5.3	
	2	0.000	-0.030	0.030	5.1	3.9

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C.5-4 (9.5-11.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-67 Date(s) Analyzed: 08/30/2018 08/30/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.45	
	2	0.000	-0.030	0.030	0.46	2.2

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-B-2 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-69 Date(s) Analyzed: 08/30/2018 08/30/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.53	
	2	0.000	-0.030	0.030	0.52	1.9
Aroclor-1260	1	0.000	-0.030	0.030	0.25	
	2	0.000	-0.030	0.030	0.26	3.9



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-B-2 (5.5-7.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-70 Date(s) Analyzed: 08/31/2018 08/31/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.9	
	2	0.000	-0.030	0.030	3.1	6.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-B-3 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-75 Date(s) Analyzed: 08/31/2018 08/31/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	14	
	2	0.000	-0.030	0.030	15	6.9

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-B-3 (5.5-7.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-76 Date(s) Analyzed: 08/30/2018 08/30/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.37	
	2	0.000	-0.030	0.030	0.41	10.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-B-4 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-80 Date(s) Analyzed: 08/12/2018 08/12/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.10	
	2	0.000	-0.030	0.030	0.10	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-B-4 (5.5-7.5)**

Lab Sample ID: 18G1210-81 Date(s) Analyzed: 08/11/2018 08/11/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.92	
	2	0.000	-0.030	0.030	0.90	2.2

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-B.5-4 (5.5-7.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-89 Date(s) Analyzed: 08/31/2018 08/31/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.5	
	2	0.000	-0.030	0.030	2.5	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-B.5-4 (7.5-9.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-90 Date(s) Analyzed: 08/31/2018 08/31/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	40000	
	2	0.000	-0.030	0.030	39000	2.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-B.5-4 (9.5-11.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-91 Date(s) Analyzed: 08/31/2018 08/31/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	8.3	
	2	0.000	-0.030	0.030	8.0	3.7



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-A-9 (3.5-5.5)**

Lab Sample ID: 18G1210-92 Date(s) Analyzed: 08/31/2018 08/31/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.4	
	2	0.000	-0.030	0.030	2.0	18.2

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-A-9 (5.5-7.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-93 Date(s) Analyzed: 08/31/2018 08/31/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.26	
	2	0.000	-0.030	0.030	0.22	16.7
Aroclor-1260	1	0.000	-0.030	0.030	0.23	
	2	0.000	-0.030	0.030	0.19	19.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-A-9 (7.5-9.5)**

Lab Sample ID: 18G1210-94 Date(s) Analyzed: 08/31/2018 08/31/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.16	11.8

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-A-9 (9.5-11.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-95 Date(s) Analyzed: 08/31/2018 08/31/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.2	
	2	0.000	-0.030	0.030	1.2	8.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-A-7 (3.5-5.5)**

Lab Sample ID: 18G1210-97 Date(s) Analyzed: 08/31/2018 08/31/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.14	
	2	0.000	-0.030	0.030	0.090	43.5
Aroclor-1260	1	0.000	-0.030	0.030	0.12	
	2	0.000	-0.030	0.030	0.11	8.7
Aroclor-1268	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.16	17.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-A-7 (5.5-7.5)**

*SW-846 8082A*

Lab Sample ID: 18G1210-98 Date(s) Analyzed: 08/31/2018 08/31/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1268	1	0.000	-0.030	0.030	1.0	
	2	0.000	-0.030	0.030	0.85	16.2

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

<b>LCS</b>
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*SW-846 8082A*

Lab Sample ID:                   B209740-BS1                                        Date(s) Analyzed:           08/24/2018                     08/24/2018          

Instrument ID (1):                   ECD 9                                        Instrument ID (2):                   ECD 9                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.20	5.1
Aroclor-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.20	10.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

*SW-846 8082A*

Lab Sample ID:                     B209740-BSD1                                          Date(s) Analyzed:           08/24/2018                     08/24/2018          

Instrument ID (1):                     ECD 9                                          Instrument ID (2):                     ECD 9                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.17	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.19	5.4



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**Matrix Spike**

Lab Sample ID:                   B209740-MS1                                        Date(s) Analyzed:           08/25/2018                     08/25/2018          

Instrument ID (1):                   ECD 9                                        Instrument ID (2):                   ECD 9                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.22	
	2	0.000	-0.030	0.030	0.21	4.7
Aroclor-1260	1	0.000	-0.030	0.030	0.39	
	2	0.000	-0.030	0.030	0.29	29.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike Dup**

*SW-846 8082A*

Lab Sample ID:                     B209740-MSD1                                          Date(s) Analyzed:           08/25/2018                     08/25/2018          

Instrument ID (1):                     ECD 9                                          Instrument ID (2):                     ECD 9                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.20	4.9
Aroclor-1260	1	0.000	-0.030	0.030	0.36	
	2	0.000	-0.030	0.030	0.27	28.6

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

LCS
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Lab Sample ID: B209767-BS1 Date(s) Analyzed: 08/14/2018 08/14/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.20	5.1
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.19	11.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

*SW-846 8082A*

Lab Sample ID:                   B209767-BSD1                                        Date(s) Analyzed:           08/14/2018                     08/14/2018          

Instrument ID (1):                   ECD5                                        Instrument ID (2):                   ECD5                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.19	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.19	17.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

<b>LCS</b>
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*SW-846 8082A*

Lab Sample ID:                     B209768-BS1                                          Date(s) Analyzed:           08/08/2018                     08/08/2018          

Instrument ID (1):                     ECD4                                          Instrument ID (2):                     ECD4                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.17	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.15	6.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**LCS Dup**

*SW-846 8082A*

Lab Sample ID:                     B209768-BSD1                                          Date(s) Analyzed:           08/08/2018                     08/08/2018          

Instrument ID (1):                     ECD4                                          Instrument ID (2):                     ECD4                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.18	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.17	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS
-----

*SW-846 8082A*

Lab Sample ID:                     B209783-BS1                                          Date(s) Analyzed:           08/31/2018                     08/31/2018          

Instrument ID (1):                     ECD1                                          Instrument ID (2):                     ECD1                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.18	10.5
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.17	11.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

*SW-846 8082A*

Lab Sample ID:                   B209783-BSD1                                        Date(s) Analyzed:           08/31/2018                     08/31/2018          

Instrument ID (1):                   ECD1                                        Instrument ID (2):                   ECD1                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.18	10.5
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.17	11.1



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike**

*SW-846 8082A*

Lab Sample ID:                   B209783-MS1                                        Date(s) Analyzed:           08/31/2018                     08/31/2018          

Instrument ID (1):                   ECD1                                        Instrument ID (2):                   ECD1                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.13	
	2	0.000	-0.030	0.030	0.15	14.3
Aroclor-1260	1	0.000	-0.030	0.030	0.22	
	2	0.000	-0.030	0.030	0.21	4.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike Dup**

*SW-846 8082A*

Lab Sample ID:                   B209783-MSD1                                        Date(s) Analyzed:           08/31/2018                     08/31/2018          

Instrument ID (1):                   ECD1                                        Instrument ID (2):                   ECD1                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.22	
	2	0.000	-0.030	0.030	0.21	4.7
Aroclor-1260	1	0.000	-0.030	0.030	0.23	
	2	0.000	-0.030	0.030	0.22	4.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

LCS
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Lab Sample ID:                     B209866-BS1                                          Date(s) Analyzed:           08/30/2018                     08/30/2018          

Instrument ID (1):                     ECD10                                          Instrument ID (2):                     ECD10                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.19	5.4
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.19	11.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

<b>LCS Dup</b>
----------------

Lab Sample ID: B209866-BSD1 Date(s) Analyzed: 08/30/2018 08/30/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.21	4.9
Aroclor-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.19	5.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**Matrix Spike**

Lab Sample ID: B209866-MS1 Date(s) Analyzed: 08/31/2018 08/31/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.22	
	2	0.000	-0.030	0.030	0.25	12.8
Aroclor-1260	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.23	14.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike Dup**

*SW-846 8082A*

Lab Sample ID:                   B209866-MSD1                                        Date(s) Analyzed:           08/31/2018                     08/31/2018          

Instrument ID (1):                   ECD10                                        Instrument ID (2):                   ECD10                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.22	
	2	0.000	-0.030	0.030	0.24	8.7
Aroclor-1260	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.23	9.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS

*SW-846 8082A*

Lab Sample ID:                     B209867-BS1                                          Date(s) Analyzed:           08/14/2018                     08/14/2018          

Instrument ID (1):                     ECD4                                          Instrument ID (2):                     ECD4                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.18	5.4
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.17	6.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**LCS Dup**

*SW-846 8082A*

Lab Sample ID:                     B209867-BSD1                                          Date(s) Analyzed:           08/14/2018                     08/14/2018          

Instrument ID (1):                     ECD4                                          Instrument ID (2):                     ECD4                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.18	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.16	0.0



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike**

*SW-846 8082A*

Lab Sample ID:                   B209867-MS1                                        Date(s) Analyzed:           08/31/2018                     08/31/2018          

Instrument ID (1):                   ECD5                                        Instrument ID (2):                   ECD5                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.25	
	2	0.000	-0.030	0.030	0.23	8.3
Aroclor-1260	1	0.000	-0.030	0.030	0.22	
	2	0.000	-0.030	0.030	0.21	4.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**Matrix Spike Dup**

Lab Sample ID: B209867-MSD1 Date(s) Analyzed: 08/31/2018 08/31/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.24	
	2	0.000	-0.030	0.030	0.23	4.3
Aroclor-1260	1	0.000	-0.030	0.030	0.22	
	2	0.000	-0.030	0.030	0.21	4.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

<b>LCS</b>
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*SW-846 8082A*

Lab Sample ID:                   B211521-BS1                                        Date(s) Analyzed:           09/02/2018                     09/02/2018          

Instrument ID (1):                   ECD 9                                        Instrument ID (2):                   ECD 9                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.18	5.7
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.19	11.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

*SW-846 8082A*

Lab Sample ID:                   B211521-BSD1                                        Date(s) Analyzed:           09/02/2018                     09/02/2018          

Instrument ID (1):                   ECD 9                                                        Instrument ID (2):                   ECD 9                  

GC Column (1):                                      ID:                      (mm)                      GC Column (2):                                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.18	5.7
Aroclor-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.19	5.4

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
O-32	A dilution was performed as part of the standard analytical procedure.
P-01	Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
S-24	Surrogate recovery is biased high due to the presence of Aroclor 1268 in the sample. Aroclor 1268 contains decachlorobiphenyl.

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<b>SW-846 6010D in Soil</b>	
Lead	CT,NH,NY,AIHA,ME,VA,NC
<b>SW-846 8082A in Soil</b>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019



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 East Longmeadow, MA 01028

Page 2 of

**Company Name:** Conway Park  
**Address:**  
**Phone:**  
**Project Name:**  
**Project Location:**  
**Project Number:**  
**Project Manager:**  
**Con-Test Quote Name/Number:**  
**Invoice Recipient:**  
**Sampled By:**

Con-Test Vial #	Con-Test Vial Label	Time	Analysis Requested	Field Filtered	Lab to Filter	Matrix Codes	Preservation Codes	Container Codes
010	B-C-11(0.5-1.5)	7/27 9:01	S	<input type="checkbox"/>	<input type="checkbox"/>	GW = Ground Water WW = Waste Water DW = Drinking Water A = Air S = Soil SL = Sludge SOL = Solid O = Other (please define)	I = Iced H = HCL M = Methanol N = Nitric Acid S = Sulfuric Acid B = Sodium Bisulfate X = Sodium Hydroxide T = Sodium Thiosulfate O = Other (please define)	A = Amber Glass G = Glass P = Plastic ST = Sterile V = Vial S = Summa Canister T = Tedlar Bag O = Other (please define)
011	B-C-11(1.5-2.5)	7/27 9:02	S	<input type="checkbox"/>	<input type="checkbox"/>			
012	B-C-11(2.5-3.5)	7/27 9:03	S	<input type="checkbox"/>	<input type="checkbox"/>			
013	B-C-11(3.5-5.5)	7/27 9:04	S	<input type="checkbox"/>	<input type="checkbox"/>			
014	B-C-11(5.5-7.5)	7/27 9:05	S	<input type="checkbox"/>	<input type="checkbox"/>			
015	B-C-11(7.5-9.5)	7/27 9:06	S	<input type="checkbox"/>	<input type="checkbox"/>			
016	B-C-11(9.5-11.5)	7/27 9:07	S	<input type="checkbox"/>	<input type="checkbox"/>			
017	B-C-9(0-0.5)	7/27 9:25	S	<input type="checkbox"/>	<input type="checkbox"/>			
018	B-C-9(0.5-1.5)	7/27 9:26	S	<input type="checkbox"/>	<input type="checkbox"/>			
019	B-C-9(1.5-2.5)	7/27 9:27	S	<input type="checkbox"/>	<input type="checkbox"/>			

**Requested Turnaround Time:**  7-Day  10-Day

**Due Date:**

**Rush Approval Required:**  1-Day  3-Day  2-Day  4-Day

**Data Delivery:**  PDF  EXCEL

**Other:**  CLP Like Data Pkg Required:

**Email To:**

**Fax To #:**

**Special Requirements:**

**Detection Limit Requirements:**  MA MCP Required  MCP Certification Form Required  CT RCP Required  RCP Certification Form Required  MA State DW Required

**PWSID #:**

**Project Entity:**  Government  Federal  City  Municipality  21 J  Brownfield  WRTA  MWRA  School  MBTA  Chromatogram  AIMA-LAP, LLC

**Other:**  Soxhlet  Non Soxhlet

**PCB ONLY:**  Soxhlet  Non Soxhlet

**Comments:** Samples w/ no analysis required to be held

**Relinquished by (signature):** [Signature] **Date/Time:** 7/27

**Received by (signature):** [Signature] **Date/Time:** 7/27/18 1545

**Relinquished by (signature):** [Signature] **Date/Time:** 7/27/18 1945

**Received by (signature):** [Signature] **Date/Time:** 7/27/18 1945

**Relinquished by (signature):** [Signature] **Date/Time:** 7/27/18 1945

**Received by (signature):** [Signature] **Date/Time:** 7/27/18 1945













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 18C1210  
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 Fax: 413-525-6405  
 Email: info@contestlabs.com

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 39 Spruce Street  
 East Longmeadow, MA 01028

Page 7 of \_\_\_\_\_

Company Name: _____ Address: _____ Phone: _____ Project Name: _____ Project Location: _____ Project Number: _____ Project Manager: _____ Con-Test Quote Name/Number: _____ Invoice Recipient: _____ Sampled By: _____		Requested Turnaround Time: <input type="checkbox"/> 7-Day <input type="checkbox"/> 10-Day <input type="checkbox"/> _____ Due Date: _____ Rush Approval Required: <input type="checkbox"/> 1-Day <input type="checkbox"/> 3-Day <input type="checkbox"/> 2-Day <input type="checkbox"/> 4-Day <input type="checkbox"/> _____ Delivery: <input type="checkbox"/> PDF <input type="checkbox"/> EXCEL <input type="checkbox"/> Other: _____ CLP Like Data Pkg Required: <input type="checkbox"/> _____ Email To: _____ Fax To #: _____		# of Containers: _____ Preservation Code: _____ Container Code: _____ <b>Disposables/Metal Samples</b> <input type="radio"/> Field Filtered <input type="radio"/> Lab to Filter <b>Other Disposables Samples</b> <input type="radio"/> Field Filtered <input type="radio"/> Lab to Filter	
1 Matrix Codes: GW = Ground Water WW = Waste Water DW = Drinking Water A = Air S = Soil SL = Sludge SOL = Solid O = Other (please define)		2 Preservation Codes: I = Ice H = HCL M = Methanol N = Nitric Acid S = Sulfuric Acid B = Sodium Bisulfate X = Sodium Hydroxide T = Sodium Thiosulfate O = Other (please define)		3 Container Codes: A = Amber Glass G = Glass P = Plastic ST = Sterile V = Vial S = Summa Canister T = Tedlar Bag O = Other (please define)	
ANALYSIS REQUESTED (Handwritten: PCBs (Sox/let))		Please use the following codes to indicate possible sample concentration within the Conc Code column above: H - High; M - Medium; L - Low; C - Clean; U - Unknown		Special Requirements: <input type="checkbox"/> MA MCP Required <input type="checkbox"/> MCP Certification Form Required <input type="checkbox"/> CT RCP Required <input type="checkbox"/> RCP Certification Form Required <input type="checkbox"/> MA State DW Required PWSID #: _____	
Date/Time: 7/27 10:58 Date/Time: 7/27 11:05 Date/Time: 7/27 11:06 Date/Time: 7/27 11:07 Date/Time: 7/27 11:08 Date/Time: 7/27 11:09 Date/Time: 7/27 11:10 Date/Time: 7/27 11:11 Date/Time: 7/27 11:12 Date/Time: 7/27 11:13		Detection Limit Requirements: MA CT Other		Project Entity: <input type="checkbox"/> Government <input type="checkbox"/> Federal <input type="checkbox"/> City <input type="checkbox"/> Municipality <input type="checkbox"/> 21 J <input type="checkbox"/> Brownfield <input type="checkbox"/> MWRA <input type="checkbox"/> School <input type="checkbox"/> MISA <input type="checkbox"/> WRTA <input type="checkbox"/> AHA-LAP, LLC Other: _____	
Relinquished by: (signature) _____ Date/Time: 7/27 15:45		Received by: (signature) _____ Date/Time: 7/27 18:45		Relinquished by: (signature) _____ Date/Time: 7/27 18:45	
Relinquished by: (signature) _____ Date/Time: 7/27 18:45		Relinquished by: (signature) _____ Date/Time: 7/27 18:45		Relinquished by: (signature) _____ Date/Time: 7/27 18:45	
Relinquished by: (signature) _____ Date/Time: 7/27 18:45		Relinquished by: (signature) _____ Date/Time: 7/27 18:45		Relinquished by: (signature) _____ Date/Time: 7/27 18:45	
Relinquished by: (signature) _____ Date/Time: 7/27 18:45		Relinquished by: (signature) _____ Date/Time: 7/27 18:45		Relinquished by: (signature) _____ Date/Time: 7/27 18:45	

Samples w/ no checked analytes to be held



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 Fax: 413-525-6405  
 Email: info@contestlabs.com

**Company Name:** \_\_\_\_\_  
**Address:** \_\_\_\_\_  
**Phone:** \_\_\_\_\_  
**Project Name:** \_\_\_\_\_  
**Project Location:** \_\_\_\_\_  
**Project Number:** \_\_\_\_\_  
**Project Manager:** \_\_\_\_\_  
**Con-Test Quote Name/Number:** \_\_\_\_\_  
**Invoice Recipient:** \_\_\_\_\_  
**Sampled By:** \_\_\_\_\_

**Requested Turnaround Time:**  
 7-Day  10-Day   
 Due Date: \_\_\_\_\_

**Rush-Approval Required:**  
 1-Day  3-Day   
 2-Day  4-Day   
**Data Delivery:**  
 Format: PDF  EXCEL   
 Other: \_\_\_\_\_  
 CLP Like Data Pkg Required:   
 Email To: \_\_\_\_\_  
 Fax To #: \_\_\_\_\_

Con-Test Sample Group	Date/Time	Analysis Requested	Matrix Code	Preservation Code	Container Code	# of Containers
B-C-3 (0-0.5)	7/27 11:15	S	U			
B-C-3 (0.5-1.5)	11:16	S	U			
B-C-3 (1.5-2.5)	11:17	S	U			
B-C-3 (2.5-3.5)	11:19	S	U			
B-C-3 (3.5-5.5)	11:20	S	U			
B-C-3 (5.5-7.5)	11:21	S	U			
B-C-3 (7.5-9.5)	11:22	S	U			
B-C-3 (9.5-11.5)	11:30	S	U			
B-C-2 (0-0.5)	11:31	S	U			
B-C-2 (0.5-1.5)		S	U			

**Comments:** Tompa w/ no checked analyses checked to see he had

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

**1 Matrix Codes:**  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

**2 Preservation Codes:**  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

**3 Container Codes:**  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

**PCB ONLY**  
 Soxhlet  
 Non Soxhlet

**Special Requirements:**  
 MA MCP Required   
 MCP Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 MA State DW Required   
 PWSID # \_\_\_\_\_

**Detection Limit Requirements:**  
 MA   
 CT   
 Other

**Project Entity:**  
 Government  
 Federal  
 City  
 Municipality  
 21 J  
 Brownfield  
 MWRA  
 School  
 MBTA  
 WRTA  
 Chromatogram  
 AIHA-LAP, LLC

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**Reinquished by: (signature)** \_\_\_\_\_ **Date/Time:** 7/27 15:45  
**Received by: (signature)** \_\_\_\_\_ **Date/Time:** 7/27/18 19:45  
**Reinquished by: (signature)** \_\_\_\_\_ **Date/Time:** 7/27/18 19:45  
**Received by: (signature)** \_\_\_\_\_ **Date/Time:** 7/27/18 19:45  
**Reinquished by: (signature)** \_\_\_\_\_ **Date/Time:** 7/27/18 19:45  
**Received by: (signature)** \_\_\_\_\_ **Date/Time:** 7/27/18 19:45











CHAIN OF CUSTODY RECORD

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Email: info@contestlabs.com



Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_

Project Name: Conduity Park

Project Location: \_\_\_\_\_

Project Number: \_\_\_\_\_

Project Manager: \_\_\_\_\_

Con-Test Quote Name/Number: \_\_\_\_\_

Invoice Recipient: \_\_\_\_\_

Sampled By: \_\_\_\_\_

Requested Turnaround Time:  7-Day  10-Day

Due Date: \_\_\_\_\_

Rush Approval Required:  3-Day  4-Day

Data Delivery:  PDF  EXCEL

Other: \_\_\_\_\_

CLP Like Data Pkg Required:

Email To: \_\_\_\_\_

Fax To #: \_\_\_\_\_

Con-Test Work Order #	Class Sample ID	Project Name	Project Location	Project Number	Project Manager	Con-Test Quote Name/Number	Invoice Recipient	Sampled By	Matrix Code	Preservation Code	Container Code	# of Containers
59	B-D-4(9.5-11.5)	7/27	12:28	S	U							
	B-D-5(0-0.5)		12:45									
	B-D-5(0.5-1.5)		12:46									
	B-D-5(1.5-2.5)		12:47									
	B-D-5(2.5-3.5)		12:48									
	B-D-5(3.5-5.5)		12:49									
	B-D-5(5.5-7.5)		12:50									
	B-D-5(7.5-9.5)		12:51									
	B-D-5(9.5-11.5)		12:52									
	B-C.5-4(0-0.5)		1300									

Samples w/ no checked analyses to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/27

Received by: (signature) \_\_\_\_\_ Date/Time: 7/27/18 4:54

Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/27/18 19:15

Received by: (signature) \_\_\_\_\_ Date/Time: 7/27/18 18:33

Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/27/18 19:15

Received by: (signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Detection Limit Requirements	Special Requirements
MA	MA MCP Required <input type="checkbox"/>
	MCP Certification Form Required <input type="checkbox"/>
CT	CT RCP Required <input type="checkbox"/>
	RCP Certification Form Required <input type="checkbox"/>
Other	MA State DW Required <input type="checkbox"/>
PWSID #	



Project Entity:  Government  Federal  City

Municipality:  21 J  Brownfield

MWRA  School  MBTA

WRTA

Chromatogram

AIPA-LAP, LLC

PCB ONLY:  Soxhlet  Non Soxhlet

1861210

Phone: 413-525-2332

Fax: 413-525-6405

Email: info@contestlabs.com



Requested Turnaround Time  
 7-Day  10-Day

Due Date:

Fast-Approval Required  
 1-Day  3-Day   
 2-Day  4-Day

Data Delivery  
 Format: PDF  EXCEL

Other:

CLP Like Data Pkg Required:

Email To:

Fax To #:

# of Containers

Preservation Code

Container Code

**Dissolved Metals Samples**

Field Filtered  
 Lab to Filter

**Organophosphorus Samples**

Field Filtered  
 Lab to Filter

**Matrix Codes:**  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

**Preservation Codes:**  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

**Container Codes:**  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

**PCB ONLY**  
 Soxhlet  
 Non Soxhlet

ANALYSIS REQUESTED

Conc. Code	Sample ID	Matrix	Preservation	Container	Analysis Requested	Notes
1301	B-C-5-4 (0.5-1.5)	GW	I	A		7/27
1302	B-C-5-4 (1.5-2.5)	GW	I	A		
1303	B-C-5-4 (2.5-3.5)	GW	I	A		
1304	B-C-5-4 (3.5-5.5)	GW	I	A		
1305	B-C-5-4 (5.5-7.5)	GW	I	A		
1306	B-C-5-4 (7.5-9.5)	GW	I	A		
1307	B-C-5-4 (9.5-11.5)	GW	I	A		
1308	B-C-5-4 (11.5-13.5)	GW	I	A		
1320	B-B-2 (0.0.5)	GW	I	A		
1321	B-B-2 (0.5-1.5)	GW	I	A		

Lead  
 PCBs (Soxhlet)  
 ✓  
 ✓  
 ✓  
 ✓  
 ✓  
 ✓  
 ✓  
 ✓  
 ✓  
 ✓  
 ✓

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Comments:  
 Samples w/ no analytes cleaned + sealed

Relinquished by: (signature) Date/Time: 7/27/18

Received by: (signature) Date/Time: 7/27/18

Quished by: (signature) Date/Time: 7/27/18

ved by: (signature) Date/Time: 28.4.11.31/18

quished by: (signature) Date/Time: 7/27/18

ived by: (signature) Date/Time:

**Investment Limit Requirements**  
 MA MCP Required   
 MCP Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 MA State DW Required

**Special Requirements**  
 MA MCP Required   
 MCP Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 MA State DW Required

**Project Entity**  
 Government  Municipality  MWRA  WRTA  Other  
 Federal  21 J  School  A/H/LAP, LLC  
 City  Brownfield  MBTA

PWSID #

Chromatogram   
 A/H/LAP, LLC



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Doc # 381 Rev 1\_03242017

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Company Name: **CONTEST ANALYTICAL LABORATORY**

Address: **39 Spruce Street, East Longmeadow, MA 01028**

Phone: **413-525-2332** Fax: **413-525-6405** Email: **info@contestlabs.com**

Project Name: **CONWAY**

Project Location: **CONWAY**

Project Number: **7/27**

Project Manager: **[Signature]**

Con-Test Quote Name/Number: **7/27**

Invoice Recipient: **7/27**

Sampled By: **[Signature]**

Con-Test Work Order: **7/27**

Requested Turnaround Time:  7-Day  10-Day

Due Date: **7/27**

Rush Approval Required:  1-Day  3-Day  2-Day  4-Day

Data Delivery:  PDF  EXCEL

Other:

CLP Like Data Pkg Required:

Email To: **[Blank]**

Fax To #: **[Blank]**

Con-Test Work Order	Sample ID	Matrix	Preservation	Analysis Requested	Special Requirements	MA MCP Required	MA State DW Required
69	B-B-2 (1.5-2.5)	GW	Iced	PCBS (Soxhlet)	MA	<input type="checkbox"/>	<input type="checkbox"/>
70	B-B-2 (2.5-3.5)	GW	Iced	PCBS (Soxhlet)	MA	<input type="checkbox"/>	<input type="checkbox"/>
71	B-B-2 (3.5-5.5)	GW	Iced	PCBS (Soxhlet)	MA	<input type="checkbox"/>	<input type="checkbox"/>
72	B-B-2 (5.5-7.5)	GW	Iced	PCBS (Soxhlet)	MA	<input type="checkbox"/>	<input type="checkbox"/>
73	B-B-2 (7.5-9.5)	GW	Iced	PCBS (Soxhlet)	MA	<input type="checkbox"/>	<input type="checkbox"/>
74	B-B-2 (9.5-11.5)	GW	Iced	PCBS (Soxhlet)	MA	<input type="checkbox"/>	<input type="checkbox"/>
75	B-B-2 (11.5-13.5)	GW	Iced	PCBS (Soxhlet)	MA	<input type="checkbox"/>	<input type="checkbox"/>
76	B-B-2 (13.5-15.5)	GW	Iced	PCBS (Soxhlet)	MA	<input type="checkbox"/>	<input type="checkbox"/>
77	B-B-3 (0-0.5)	SL	Iced	PCBS (Soxhlet)	MA	<input type="checkbox"/>	<input type="checkbox"/>
78	B-B-3 (0.5-1.5)	SL	Iced	PCBS (Soxhlet)	MA	<input type="checkbox"/>	<input type="checkbox"/>

Comments: **Samples w/ no checked analyses to be held**

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: **[Signature]** Date/Time: **7/27/18 15:45**

Received by: **[Signature]** Date/Time: **7/27/18 15:45**

Relinquished by: **[Signature]** Date/Time: **7/27/18 19:45**

Received by: **[Signature]** Date/Time: **7/27/18 19:45**

Relinquished by: **[Signature]** Date/Time: **7/27/18 19:45**

Received by: **[Signature]** Date/Time: **7/27/18 19:45**

Project Entity:  Government  Federal  City  Municipality  21 J  Brownfield  MWRA  School  MBTA  WRTA  Chromatogram  AHA-LAP, LLC

Other:

PCB ONLY:  Soxhlet  Non Soxhlet







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 Fax: 413-525-6405  
 Email: info@contestlabs.com

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Requested Turnaround Time  
 7-Day  10-Day

Due Date:

Rush Approval Required  
 1-Day  3-Day   
 2-Day  4-Day

Data Delivery  
 Format: PDF  EXCEL

Other:

CLP Like Data Pkg Required:

Email To:

Fax To #:

Company Name: **Conway**

Address:

Phone:

Project Name:

Project Location:

Project Number:

Project Manager:

Con-Test Quote Name/Number:

Invoice Recipient:

Sampled By:

Con-Test Work Order #	Sample ID	Matrix Code	Preservation Code	Container Code	# of Containers
B-B-4 (2.5-3.5)	7/27	1358	S	U	
B-B-4 (3.5-5.5)		1359			
B-B-4 (5.5-7.5)		1900			
B-B-4 (7.5-9.5)		1901			
B-B-4 (9.5-11.5)		1902			
B-B-5 (0-0.5)		1405			
B-B-5 (0.5-1.5)		1406			
B-B-5 (1.5-2.5)		1407			
B-B-5 (2.5-3.5)		1408			
B-B-5 (3.5-5.5)		1409			

ANALYSIS REQUESTED

Matrix Codes:	Preservation Codes:	Container Codes:
GW = Ground Water	I = Iced	A = Amber Glass
WW = Waste Water	H = HCL	G = Glass
DW = Drinking Water	M = Methanol	P = Plastic
A = Air	N = Nitric Acid	ST = Sterile
S = Soil	S = Sulfuric Acid	V = Vial
SL = Sludge	B = Sodium Bisulfate	S = Summa Cantister
SDL = Solid	X = Sodium Hydroxide	T = Teflon Bag
O = Other (please define)	T = Sodium Thiosulfate	O = Other (please define)

Comments: *Samples w/ no checked analyses to be sold*

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Special Requirements:  
 MA MCP Required   
 MCP Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 MA State DW Required

PWSID #

Project Entity:  
 Government  Municipality  MWRA  WRTA  Other  
 Federal  21 J  School  Chromatogram  
 City  Brownfield  MBTA  AHA-LAP, LLC

PCB ONLY  Soxhlet  Non Soxhlet









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 Doc # 381 Rev 1\_03242017  
 39 Spruce Street  
 East Longmeadow, MA 01028



Phone: 413-525-2332  
 Fax: 413-525-6405  
 Email: info@contestlabs.com

Requested Turnaround Time  
 7-Day  10-Day   
 Due Date:  
 Rush-Approval Required  
 1-Day  3-Day   
 2-Day  4-Day   
 Data Delivery  
 Format: PDF  EXCEL   
 Other:  
 CLP Like Data Pkg Required:   
 Email To:  
 Fax To #:

Company Name: Almway  
 Address:  
 Phone:  
 Project Name:  
 Project Location:  
 Project Number:  
 Project Manager:  
 Con-Test Quote Name/Number:  
 Invoice Recipient:  
 Sampled By:

Con-Test Work Order #	Sample ID	Sample Description	Matrix Code	Preservation Code	Container Code	Analysis Requested
97	B-A-7(0-0.5)	7/27	S	U		
98	B-A-7(0.5-1.5)	7/27	S	U		
99	B-A-7(1.5-2.5)	7/27	S	U		
100	B-A-7(2.5-3.5)	7/27	S	U		
101	B-A-7(3.5-4.5)	7/27	S	U		
102	B-A-7(4.5-5.5)	7/27	S	U		
103	B-A-7(5.5-6.5)	7/27	S	U		
104	B-A-7(6.5-7.5)	7/27	S	U		
105	B-A-7(7.5-8.5)	7/27	S	U		
106	B-A-7(8.5-9.5)	7/27	S	U		
107	B-A-7(9.5-11.5)	7/27	S	U		
108	B-A-7(11.5-13.5)	7/27	S	U		
109	B-A-7(13.5-15.5)	7/27	S	U		

Comments: *Samples w/ no analyses checked to be held*

Relinquished by: (signature) *[Signature]* Date/Time: *7/27 1545*  
 Received by: (signature) *[Signature]* Date/Time: *27/10 1945*  
 Relinquished by: (signature) *[Signature]* Date/Time: *08.04.13 1945*  
 Relinquished by: (signature) *[Signature]* Date/Time: *08.04.13 1945*

Special Requirements: MA MCP Required  MA State DW Required   
 MCP Certification Form Required  RCP Certification Form Required   
 CT RCP Required   
 PWSID #

Project Entry:  
 Government  Municipality  MWRA  WRTA  Other  
 Federal  21 J  School  AHA-LAP, LLC  
 City  Brownfield  MBTA

PCB ONLY  
 Soxhlet  Non Soxhlet





**con-test**  
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False**

Client Weston + Sampson

Received By RAF Date 7/27/18 Time 1945

How were the samples received? In Cooler T No Cooler \_\_\_\_\_ On Ice + No Ice \_\_\_\_\_  
Direct from Sampling \_\_\_\_\_ Ambient \_\_\_\_\_ Melted Ice \_\_\_\_\_

Were samples within Temperature? 2-6°C T By Gun # 8 Actual Temp - 28/4.6/3.3  
By Blank # \_\_\_\_\_ Actual Temp - \_\_\_\_\_

Was Custody Seal Intact? NA Were Samples Tampered with? NA  
Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent information? Client T Analysis T Sampler Name T  
Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F

Are there Rushes? F

Are there Short Holds? F

Is there enough Volume? T

Is there Headspace where applicable? F

Proper Media/Containers Used? T

Were trip blanks received? F

Do all samples have the proper pH? NA

Who was notified? \_\_\_\_\_

Who was notified? \_\_\_\_\_

Who was notified? \_\_\_\_\_

MS/MSD? F

Is splitting samples required? F

On COC? F

Acid \_\_\_\_\_ Base \_\_\_\_\_

Vials	#	Containers	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear 9
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear 74
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore 19
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

**Unused Media**

Vials	#	Containers	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

**Comments:**

Samples received in 3 coolers.



## Meghan Kelley

---

**From:** Smith, Taylor  
**Sent:** Thursday, August 23, 2018 3:00 PM  
**To:** Meghan Kelley  
**Cc:** Spencer, Joseph  
**Subject:** Releasing additional samples

Meghan-

We have decided to release all remaining samples from Conway Park for PCB analysis (Soxhlet) BESIDES ones with the B-Q-x, B-R-x, and B-S-x nomenclature. (For clarity, that will involve analyzing all samples with the nomenclature B-A-x through B-P-x.)

In addition, we would like to release the following samples for lead analysis:

B-C-5 (11.5-13.5)  
B-G-9 (9.5-11.5)  
B-I-3 (7.5-9.5)  
B-K-11 (9.5-11.5)  
B-O-5 (5.5-7.5)

Please give me a call if you have any questions. I appreciate your help, thanks!

### Taylor Smith

ENVIRONMENTAL SCIENTIST  
direct: 978-977-0110 x2222  
cell: 978-854-2413



Weston & Sampson  
5 Centennial Drive | Peabody, MA 01960 (HQ)  
tel: 978-532-1900  
westonandsampson.com

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August 6, 2018

Taylor Smith  
Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960

Project Location: Conway Park., Somerville, MA  
Client Job Number:  
Project Number: [none]  
Laboratory Work Order Number: 18G1251

Enclosed are results of analyses for samples received by the laboratory on July 30, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley  
Project Manager

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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 8/6/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1251

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-A-5 (0-0.5)	18G1251-01	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-A-5 (0.5-1.5)	18G1251-02	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-A-5 (1.5-2.5)	18G1251-03	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-A-5 (2.5-3.5)	18G1251-04	Soil		SM 2540G SW-846 6010D SW-846 8082A	
DUP 1	18G1251-05	Soil		SM 2540G SW-846 6010D SW-846 8082A	
DUP 2	18G1251-06	Soil		SM 2540G SW-846 6010D SW-846 8082A	
DUP 3	18G1251-07	Soil		SM 2540G SW-846 6010D SW-846 8082A	
DUP 4	18G1251-08	Soil		SM 2540G SW-846 6010D SW-846 8082A	
DUP 5	18G1251-09	Soil		SM 2540G SW-846 6010D SW-846 8082A	
DUP 6	18G1251-10	Soil		SM 2540G SW-846 6010D SW-846 8082A	
DUP 7	18G1251-11	Soil		SM 2540G SW-846 6010D SW-846 8082A	
DUP 8	18G1251-12	Soil		SM 2540G SW-846 6010D SW-846 8082A	
DUP 9	18G1251-13	Soil		SM 2540G SW-846 6010D SW-846 8082A	



---

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960  
ATTN: Taylor Smith

REPORT DATE: 8/6/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

---

WORK ORDER NUMBER: 18G1251

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
DUP 10	18G1251-14	Soil		SM 2540G SW-846 6010D SW-846 8082A	

**CASE NARRATIVE SUMMARY**

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 6010, only Pb was requested and reported.

**SW-846 8082A**

**Qualifications:****MS-21**

Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.

**Analyte & Samples(s) Qualified:****Aroclor-1016 [2C]**

B209390-MS1, B209390-MSD1

**Aroclor-1260**

B209390-MS1, B209390-MSD1

**Aroclor-1260 [2C]**

B209390-MS1, B209390-MSD1

**O-32**

A dilution was performed as part of the standard analytical procedure.

**Analyte & Samples(s) Qualified:**

18G1251-06[DUP 2], 18G1251-07[DUP 3], 18G1251-08[DUP 4]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington  
Project Manager

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1251

Date Received: 7/30/2018

Field Sample #: B-A-5 (0-0.5)

Sampled: 7/27/2018 15:00

Sample ID: 18G1251-01

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	8/2/18	8/5/18 7:55	JMB
Aroclor-1221 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	8/2/18	8/5/18 7:55	JMB
Aroclor-1232 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	8/2/18	8/5/18 7:55	JMB
Aroclor-1242 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	8/2/18	8/5/18 7:55	JMB
Aroclor-1248 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	8/2/18	8/5/18 7:55	JMB
Aroclor-1254 [2]	1.5	0.20	mg/Kg dry	8		SW-846 8082A	8/2/18	8/5/18 7:55	JMB
Aroclor-1260 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	8/2/18	8/5/18 7:55	JMB
Aroclor-1262 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	8/2/18	8/5/18 7:55	JMB
Aroclor-1268 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	8/2/18	8/5/18 7:55	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.4	30-150					8/5/18 7:55	
Decachlorobiphenyl [2]		86.7	30-150					8/5/18 7:55	
Tetrachloro-m-xylene [1]		83.7	30-150					8/5/18 7:55	
Tetrachloro-m-xylene [2]		83.6	30-150					8/5/18 7:55	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1251

Date Received: 7/30/2018

Field Sample #: B-A-5 (0-0.5)

Sampled: 7/27/2018 15:00

Sample ID: 18G1251-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	110	0.62	mg/Kg dry	1		SW-846 6010D	8/2/18	8/3/18 11:19	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1251

Date Received: 7/30/2018

Field Sample #: B-A-5 (0-0.5)

Sampled: 7/27/2018 15:00

Sample ID: 18G1251-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	79.0		% Wt	1		SM 2540G	8/3/18	8/4/18 16:52	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1251

Date Received: 7/30/2018

Field Sample #: B-A-5 (0.5-1.5)

Sampled: 7/27/2018 15:01

Sample ID: 18G1251-02

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 8:15	JMB
Aroclor-1221 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 8:15	JMB
Aroclor-1232 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 8:15	JMB
Aroclor-1242 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 8:15	JMB
Aroclor-1248 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 8:15	JMB
Aroclor-1254 [2]	3.1	0.45	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 8:15	JMB
Aroclor-1260 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 8:15	JMB
Aroclor-1262 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 8:15	JMB
Aroclor-1268 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 8:15	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		83.7	30-150					8/5/18 8:15	
Decachlorobiphenyl [2]		87.4	30-150					8/5/18 8:15	
Tetrachloro-m-xylene [1]		77.3	30-150					8/5/18 8:15	
Tetrachloro-m-xylene [2]		76.7	30-150					8/5/18 8:15	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1251

Date Received: 7/30/2018

Field Sample #: B-A-5 (0.5-1.5)

Sampled: 7/27/2018 15:01

Sample ID: 18G1251-02

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	320	0.56	mg/Kg dry	1		SW-846 6010D	8/2/18	8/3/18 11:25	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1251

Date Received: 7/30/2018

Field Sample #: B-A-5 (0.5-1.5)

Sampled: 7/27/2018 15:01

Sample ID: 18G1251-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.1		% Wt	1		SM 2540G	8/3/18	8/4/18 16:52	MAT



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1251

Date Received: 7/30/2018

Field Sample #: B-A-5 (1.5-2.5)

Sampled: 7/27/2018 15:02

Sample ID: 18G1251-03

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 14:25	JMB
Aroclor-1221 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 14:25	JMB
Aroclor-1232 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 14:25	JMB
Aroclor-1242 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 14:25	JMB
Aroclor-1248 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 14:25	JMB
Aroclor-1254 [2]	1.0	0.096	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 14:25	JMB
Aroclor-1260 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 14:25	JMB
Aroclor-1262 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 14:25	JMB
Aroclor-1268 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 14:25	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		72.9	30-150					8/4/18 14:25	
Decachlorobiphenyl [2]		77.8	30-150					8/4/18 14:25	
Tetrachloro-m-xylene [1]		75.9	30-150					8/4/18 14:25	
Tetrachloro-m-xylene [2]		78.0	30-150					8/4/18 14:25	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1251

Date Received: 7/30/2018

Field Sample #: B-A-5 (1.5-2.5)

Sampled: 7/27/2018 15:02

Sample ID: 18G1251-03

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	400	0.59	mg/Kg dry	1		SW-846 6010D	8/2/18	8/3/18 11:42	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1251

Date Received: 7/30/2018

Field Sample #: B-A-5 (1.5-2.5)

Sampled: 7/27/2018 15:02

Sample ID: 18G1251-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.1		% Wt	1		SM 2540G	8/3/18	8/4/18 16:52	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1251

Date Received: 7/30/2018

Field Sample #: B-A-5 (2.5-3.5)

Sampled: 7/27/2018 15:03

Sample ID: 18G1251-04

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 14:42	JMB
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 14:42	JMB
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 14:42	JMB
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 14:42	JMB
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 14:42	JMB
Aroclor-1254 [2]	0.78	0.093	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 14:42	JMB
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 14:42	JMB
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 14:42	JMB
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 14:42	JMB
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	79.5		30-150				8/4/18 14:42		
Decachlorobiphenyl [2]	86.6		30-150				8/4/18 14:42		
Tetrachloro-m-xylene [1]	81.6		30-150				8/4/18 14:42		
Tetrachloro-m-xylene [2]	85.0		30-150				8/4/18 14:42		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1251

Date Received: 7/30/2018

Field Sample #: B-A-5 (2.5-3.5)

Sampled: 7/27/2018 15:03

Sample ID: 18G1251-04

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	400	0.58	mg/Kg dry	1		SW-846 6010D	8/2/18	8/3/18 11:48	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1251

Date Received: 7/30/2018

Field Sample #: B-A-5 (2.5-3.5)

Sampled: 7/27/2018 15:03

Sample ID: 18G1251-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.2		% Wt	1		SM 2540G	8/3/18	8/4/18 16:52	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1251

Date Received: 7/30/2018

Field Sample #: DUP 1

Sampled: 7/27/2018 00:00

Sample ID: 18G1251-05

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 8:32	JMB
Aroclor-1221 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 8:32	JMB
Aroclor-1232 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 8:32	JMB
Aroclor-1242 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 8:32	JMB
Aroclor-1248 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 8:32	JMB
Aroclor-1254 [2]	2.2	0.48	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 8:32	JMB
Aroclor-1260 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 8:32	JMB
Aroclor-1262 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 8:32	JMB
Aroclor-1268 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 8:32	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		91.8	30-150					8/5/18 8:32	
Decachlorobiphenyl [2]		94.8	30-150					8/5/18 8:32	
Tetrachloro-m-xylene [1]		88.5	30-150					8/5/18 8:32	
Tetrachloro-m-xylene [2]		87.9	30-150					8/5/18 8:32	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1251

Date Received: 7/30/2018

Field Sample #: DUP 1

Sampled: 7/27/2018 00:00

Sample ID: 18G1251-05

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	130	0.58	mg/Kg dry	1		SW-846 6010D	8/2/18	8/3/18 11:53	MJH



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1251

Date Received: 7/30/2018

Field Sample #: DUP 1

Sampled: 7/27/2018 00:00

Sample ID: 18G1251-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.6		% Wt	1		SM 2540G	8/3/18	8/4/18 16:53	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1251

Date Received: 7/30/2018

Field Sample #: DUP 2

Sampled: 7/27/2018 00:00

Sample ID: 18G1251-06

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 15:18	JMB
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 15:18	JMB
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 15:18	JMB
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 15:18	JMB
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 15:18	JMB
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 15:18	JMB
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 15:18	JMB
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 15:18	JMB
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 15:18	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		87.9	30-150					8/4/18 15:18	
Decachlorobiphenyl [2]		89.3	30-150					8/4/18 15:18	
Tetrachloro-m-xylene [1]		85.5	30-150					8/4/18 15:18	
Tetrachloro-m-xylene [2]		86.9	30-150					8/4/18 15:18	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1251

Date Received: 7/30/2018

Field Sample #: DUP 2

Sampled: 7/27/2018 00:00

Sample ID: 18G1251-06

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	6.1	0.52	mg/Kg dry	1		SW-846 6010D	8/2/18	8/3/18 11:59	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1251

Date Received: 7/30/2018

Field Sample #: DUP 2

Sampled: 7/27/2018 00:00

Sample ID: 18G1251-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.5		% Wt	1		SM 2540G	8/3/18	8/4/18 16:53	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1251

Date Received: 7/30/2018

Field Sample #: DUP 3

Sampled: 7/27/2018 00:00

Sample ID: 18G1251-07

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 15:36	JMB
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 15:36	JMB
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 15:36	JMB
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 15:36	JMB
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 15:36	JMB
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 15:36	JMB
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 15:36	JMB
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 15:36	JMB
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 15:36	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		86.8	30-150					8/4/18 15:36	
Decachlorobiphenyl [2]		89.5	30-150					8/4/18 15:36	
Tetrachloro-m-xylene [1]		89.3	30-150					8/4/18 15:36	
Tetrachloro-m-xylene [2]		91.3	30-150					8/4/18 15:36	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1251

Date Received: 7/30/2018

Field Sample #: DUP 3

Sampled: 7/27/2018 00:00

Sample ID: 18G1251-07

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	9.4	0.56	mg/Kg dry	1		SW-846 6010D	8/2/18	8/3/18 12:04	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1251

Date Received: 7/30/2018

Field Sample #: DUP 3

Sampled: 7/27/2018 00:00

Sample ID: 18G1251-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.2		% Wt	1		SM 2540G	8/3/18	8/4/18 16:53	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1251

Date Received: 7/30/2018

Field Sample #: DUP 4

Sampled: 7/27/2018 00:00

Sample ID: 18G1251-08

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 15:53	JMB
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 15:53	JMB
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 15:53	JMB
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 15:53	JMB
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 15:53	JMB
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 15:53	JMB
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 15:53	JMB
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 15:53	JMB
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 15:53	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		93.3	30-150					8/4/18 15:53	
Decachlorobiphenyl [2]		95.3	30-150					8/4/18 15:53	
Tetrachloro-m-xylene [1]		87.8	30-150					8/4/18 15:53	
Tetrachloro-m-xylene [2]		89.6	30-150					8/4/18 15:53	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1251

Date Received: 7/30/2018

Field Sample #: DUP 4

Sampled: 7/27/2018 00:00

Sample ID: 18G1251-08

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	8.4	0.54	mg/Kg dry	1		SW-846 6010D	8/2/18	8/3/18 12:10	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1251

Date Received: 7/30/2018

Field Sample #: DUP 4

Sampled: 7/27/2018 00:00

Sample ID: 18G1251-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.1		% Wt	1		SM 2540G	8/3/18	8/4/18 16:53	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1251

Date Received: 7/30/2018

Field Sample #: DUP 5

Sampled: 7/27/2018 00:00

Sample ID: 18G1251-09

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 8:50	JMB
Aroclor-1221 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 8:50	JMB
Aroclor-1232 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 8:50	JMB
Aroclor-1242 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 8:50	JMB
Aroclor-1248 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 8:50	JMB
Aroclor-1254 [2]	1.9	0.47	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 8:50	JMB
Aroclor-1260 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 8:50	JMB
Aroclor-1262 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 8:50	JMB
Aroclor-1268 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 8:50	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		97.2	30-150					8/5/18 8:50	
Decachlorobiphenyl [2]		96.5	30-150					8/5/18 8:50	
Tetrachloro-m-xylene [1]		89.9	30-150					8/5/18 8:50	
Tetrachloro-m-xylene [2]		89.7	30-150					8/5/18 8:50	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1251

Date Received: 7/30/2018

Field Sample #: DUP 5

Sampled: 7/27/2018 00:00

Sample ID: 18G1251-09

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	28	0.57	mg/Kg dry	1		SW-846 6010D	8/2/18	8/3/18 12:16	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1251

Date Received: 7/30/2018

Field Sample #: DUP 5

Sampled: 7/27/2018 00:00

Sample ID: 18G1251-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.2		% Wt	1		SM 2540G	8/3/18	8/4/18 16:54	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1251

Date Received: 7/30/2018

Field Sample #: DUP 6

Sampled: 7/27/2018 00:00

Sample ID: 18G1251-10

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 16:29	JMB
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 16:29	JMB
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 16:29	JMB
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 16:29	JMB
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 16:29	JMB
Aroclor-1254 [1]	0.72	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 16:29	JMB
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 16:29	JMB
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 16:29	JMB
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 16:29	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		88.0	30-150					8/4/18 16:29	
Decachlorobiphenyl [2]		91.5	30-150					8/4/18 16:29	
Tetrachloro-m-xylene [1]		86.2	30-150					8/4/18 16:29	
Tetrachloro-m-xylene [2]		87.8	30-150					8/4/18 16:29	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1251

Date Received: 7/30/2018

Field Sample #: DUP 6

Sampled: 7/27/2018 00:00

Sample ID: 18G1251-10

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	55	0.54	mg/Kg dry	1		SW-846 6010D	8/2/18	8/3/18 12:21	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1251

Date Received: 7/30/2018

Field Sample #: DUP 6

Sampled: 7/27/2018 00:00

Sample ID: 18G1251-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.9		% Wt	1		SM 2540G	8/3/18	8/4/18 16:54	MAT



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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1251

Date Received: 7/30/2018

Field Sample #: DUP 7

Sampled: 7/27/2018 00:00

Sample ID: 18G1251-11

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 17:34	JMB
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 17:34	JMB
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 17:34	JMB
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 17:34	JMB
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 17:34	JMB
Aroclor-1254 [2]	0.69	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 17:34	JMB
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 17:34	JMB
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 17:34	JMB
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 17:34	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		62.3	30-150					8/4/18 17:34	
Decachlorobiphenyl [2]		67.6	30-150					8/4/18 17:34	
Tetrachloro-m-xylene [1]		63.5	30-150					8/4/18 17:34	
Tetrachloro-m-xylene [2]		64.9	30-150					8/4/18 17:34	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1251

Date Received: 7/30/2018

Field Sample #: DUP 7

Sampled: 7/27/2018 00:00

Sample ID: 18G1251-11

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	1100	0.57	mg/Kg dry	1		SW-846 6010D	8/2/18	8/3/18 12:27	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1251

Date Received: 7/30/2018

Field Sample #: DUP 7

Sampled: 7/27/2018 00:00

Sample ID: 18G1251-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.0		% Wt	1		SM 2540G	8/3/18	8/4/18 16:54	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1251

Date Received: 7/30/2018

Field Sample #: DUP 8

Sampled: 7/27/2018 00:00

Sample ID: 18G1251-12

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 17:52	JMB
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 17:52	JMB
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 17:52	JMB
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 17:52	JMB
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 17:52	JMB
Aroclor-1254 [2]	1.0	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 17:52	JMB
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 17:52	JMB
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 17:52	JMB
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/4/18 17:52	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		74.7	30-150					8/4/18 17:52	
Decachlorobiphenyl [2]		80.0	30-150					8/4/18 17:52	
Tetrachloro-m-xylene [1]		79.9	30-150					8/4/18 17:52	
Tetrachloro-m-xylene [2]		81.5	30-150					8/4/18 17:52	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1251

Date Received: 7/30/2018

Field Sample #: DUP 8

Sampled: 7/27/2018 00:00

Sample ID: 18G1251-12

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	370	0.56	mg/Kg dry	1		SW-846 6010D	8/2/18	8/3/18 12:33	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1251

Date Received: 7/30/2018

Field Sample #: DUP 8

Sampled: 7/27/2018 00:00

Sample ID: 18G1251-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.9		% Wt	1		SM 2540G	8/3/18	8/4/18 16:54	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1251

Date Received: 7/30/2018

Field Sample #: DUP 9

Sampled: 7/27/2018 00:00

Sample ID: 18G1251-13

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 9:08	JMB
Aroclor-1221 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 9:08	JMB
Aroclor-1232 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 9:08	JMB
Aroclor-1242 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 9:08	JMB
Aroclor-1248 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 9:08	JMB
Aroclor-1254 [2]	2.6	0.46	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 9:08	JMB
Aroclor-1260 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 9:08	JMB
Aroclor-1262 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 9:08	JMB
Aroclor-1268 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 9:08	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		95.9	30-150					8/5/18 9:08	
Decachlorobiphenyl [2]		96.1	30-150					8/5/18 9:08	
Tetrachloro-m-xylene [1]		90.7	30-150					8/5/18 9:08	
Tetrachloro-m-xylene [2]		90.0	30-150					8/5/18 9:08	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1251

Date Received: 7/30/2018

Field Sample #: DUP 9

Sampled: 7/27/2018 00:00

Sample ID: 18G1251-13

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	130	0.58	mg/Kg dry	1		SW-846 6010D	8/2/18	8/3/18 12:39	MJH



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1251

Date Received: 7/30/2018

Field Sample #: DUP 9

Sampled: 7/27/2018 00:00

Sample ID: 18G1251-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.0		% Wt	1		SM 2540G	8/3/18	8/4/18 16:55	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1251

Date Received: 7/30/2018

Field Sample #: DUP 10

Sampled: 7/27/2018 00:00

Sample ID: 18G1251-14

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 9:26	JMB
Aroclor-1221 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 9:26	JMB
Aroclor-1232 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 9:26	JMB
Aroclor-1242 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 9:26	JMB
Aroclor-1248 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 9:26	JMB
Aroclor-1254 [2]	3.9	0.44	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 9:26	JMB
Aroclor-1260 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 9:26	JMB
Aroclor-1262 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 9:26	JMB
Aroclor-1268 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/2/18	8/5/18 9:26	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		95.7	30-150					8/5/18 9:26	
Decachlorobiphenyl [2]		100	30-150					8/5/18 9:26	
Tetrachloro-m-xylene [1]		88.3	30-150					8/5/18 9:26	
Tetrachloro-m-xylene [2]		87.6	30-150					8/5/18 9:26	

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1251

Date Received: 7/30/2018

Field Sample #: DUP 10

Sampled: 7/27/2018 00:00

Sample ID: 18G1251-14

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	98	0.54	mg/Kg dry	1		SW-846 6010D	8/2/18	8/3/18 12:56	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1251

Date Received: 7/30/2018

Field Sample #: DUP 10

Sampled: 7/27/2018 00:00

Sample ID: 18G1251-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.7		% Wt	1		SM 2540G	8/3/18	8/4/18 16:55	MAT

**Sample Extraction Data**

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18G1251-01 [B-A-5 (0-0.5)]	B209513	08/03/18
18G1251-02 [B-A-5 (0.5-1.5)]	B209513	08/03/18
18G1251-03 [B-A-5 (1.5-2.5)]	B209513	08/03/18
18G1251-04 [B-A-5 (2.5-3.5)]	B209513	08/03/18
18G1251-05 [DUP 1]	B209513	08/03/18
18G1251-06 [DUP 2]	B209513	08/03/18
18G1251-07 [DUP 3]	B209513	08/03/18
18G1251-08 [DUP 4]	B209513	08/03/18
18G1251-09 [DUP 5]	B209513	08/03/18
18G1251-10 [DUP 6]	B209513	08/03/18
18G1251-11 [DUP 7]	B209513	08/03/18
18G1251-12 [DUP 8]	B209513	08/03/18
18G1251-13 [DUP 9]	B209513	08/03/18
18G1251-14 [DUP 10]	B209513	08/03/18

**Prep Method: SW-846 3050B-SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1251-01 [B-A-5 (0-0.5)]	B209384	1.54	50.0	08/02/18
18G1251-02 [B-A-5 (0.5-1.5)]	B209384	1.51	50.0	08/02/18
18G1251-03 [B-A-5 (1.5-2.5)]	B209384	1.52	50.0	08/02/18
18G1251-04 [B-A-5 (2.5-3.5)]	B209384	1.51	50.0	08/02/18
18G1251-05 [DUP 1]	B209384	1.55	50.0	08/02/18
18G1251-06 [DUP 2]	B209384	1.54	50.0	08/02/18
18G1251-07 [DUP 3]	B209384	1.51	50.0	08/02/18
18G1251-08 [DUP 4]	B209384	1.51	50.0	08/02/18
18G1251-09 [DUP 5]	B209384	1.54	50.0	08/02/18
18G1251-10 [DUP 6]	B209384	1.54	50.0	08/02/18
18G1251-11 [DUP 7]	B209384	1.52	50.0	08/02/18
18G1251-12 [DUP 8]	B209384	1.52	50.0	08/02/18
18G1251-13 [DUP 9]	B209384	1.51	50.0	08/02/18
18G1251-14 [DUP 10]	B209384	1.52	50.0	08/02/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1251-01 [B-A-5 (0-0.5)]	B209390	10.0	10.0	08/02/18
18G1251-02 [B-A-5 (0.5-1.5)]	B209390	10.0	10.0	08/02/18
18G1251-03 [B-A-5 (1.5-2.5)]	B209390	10.0	10.0	08/02/18
18G1251-04 [B-A-5 (2.5-3.5)]	B209390	10.0	10.0	08/02/18
18G1251-05 [DUP 1]	B209390	10.0	10.0	08/02/18
18G1251-06 [DUP 2]	B209390	10.0	10.0	08/02/18
18G1251-07 [DUP 3]	B209390	10.0	10.0	08/02/18
18G1251-08 [DUP 4]	B209390	10.0	10.0	08/02/18
18G1251-09 [DUP 5]	B209390	10.0	10.0	08/02/18
18G1251-10 [DUP 6]	B209390	10.0	10.0	08/02/18
18G1251-11 [DUP 7]	B209390	10.0	10.0	08/02/18
18G1251-12 [DUP 8]	B209390	10.0	10.0	08/02/18
18G1251-13 [DUP 9]	B209390	10.0	10.0	08/02/18
18G1251-14 [DUP 10]	B209390	10.0	10.0	08/02/18

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209390 - SW-846 3540C</b>										
<b>Blank (B209390-BLK1)</b>										
Prepared: 08/02/18 Analyzed: 08/04/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.186		mg/Kg wet	0.200		93.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.201		mg/Kg wet	0.200		100	30-150			
Surrogate: Tetrachloro-m-xylene	0.189		mg/Kg wet	0.200		94.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.200		mg/Kg wet	0.200		99.9	30-150			
<b>LCS (B209390-BS1)</b>										
Prepared: 08/02/18 Analyzed: 08/04/18										
Aroclor-1016	0.20	0.020	mg/Kg wet	0.200		98.2	40-140			
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		89.9	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		81.1	40-140			
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		84.2	40-140			
Surrogate: Decachlorobiphenyl	0.182		mg/Kg wet	0.200		90.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.197		mg/Kg wet	0.200		98.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.184		mg/Kg wet	0.200		91.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.192		mg/Kg wet	0.200		96.2	30-150			
<b>LCS Dup (B209390-BSD1)</b>										
Prepared: 08/02/18 Analyzed: 08/04/18										
Aroclor-1016	0.20	0.020	mg/Kg wet	0.200		97.9	40-140	0.303	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		89.3	40-140	0.763	30	
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		81.1	40-140	0.0253	30	
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		84.7	40-140	0.672	30	
Surrogate: Decachlorobiphenyl	0.183		mg/Kg wet	0.200		91.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.198		mg/Kg wet	0.200		99.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.188		mg/Kg wet	0.200		93.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.196		mg/Kg wet	0.200		98.1	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B209390 - SW-846 3540C**

**Matrix Spike (B209390-MS1)**

**Source: 18G1251-01**

Prepared: 08/02/18 Analyzed: 08/04/18

Aroclor-1016	0.29	0.10	mg/Kg dry	0.253	ND	115	40-140			
<b>Aroclor-1016 [2C]</b>	0.36	0.10	mg/Kg dry	0.253	ND	<b>144</b> *	40-140			MS-21
<b>Aroclor-1260</b>	0.47	0.10	mg/Kg dry	0.253	ND	<b>184</b> *	40-140			MS-21
<b>Aroclor-1260 [2C]</b>	0.50	0.10	mg/Kg dry	0.253	ND	<b>199</b> *	40-140			MS-21
Surrogate: Decachlorobiphenyl	0.215		mg/Kg dry	0.253		84.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.223		mg/Kg dry	0.253		88.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.219		mg/Kg dry	0.253		86.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.221		mg/Kg dry	0.253		87.5	30-150			

**Matrix Spike Dup (B209390-MSD1)**

**Source: 18G1251-01**

Prepared: 08/02/18 Analyzed: 08/04/18

Aroclor-1016	0.25	0.10	mg/Kg dry	0.253	ND	98.2	40-140	15.9	50	
<b>Aroclor-1016 [2C]</b>	0.39	0.10	mg/Kg dry	0.253	ND	<b>152</b> *	40-140	5.63	50	MS-21
<b>Aroclor-1260</b>	0.51	0.10	mg/Kg dry	0.253	ND	<b>202</b> *	40-140	9.28	50	MS-21
<b>Aroclor-1260 [2C]</b>	0.57	0.10	mg/Kg dry	0.253	ND	<b>223</b> *	40-140	11.5	50	MS-21
Surrogate: Decachlorobiphenyl	0.185		mg/Kg dry	0.253		73.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.192		mg/Kg dry	0.253		76.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.185		mg/Kg dry	0.253		73.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.187		mg/Kg dry	0.253		74.1	30-150			

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**QUALITY CONTROL**

**Metals Analyses (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209384 - SW-846 3050B</b>										
<b>Blank (B209384-BLK1)</b>										
					Prepared: 08/02/18 Analyzed: 08/03/18					
Lead	ND	0.47	mg/Kg wet							
<b>LCS (B209384-BS1)</b>										
					Prepared: 08/02/18 Analyzed: 08/03/18					
Lead	116	1.5	mg/Kg wet	111	105		83-117.1			
<b>LCS Dup (B209384-BSD1)</b>										
					Prepared: 08/02/18 Analyzed: 08/03/18					
Lead	116	1.5	mg/Kg wet	111	104		83-117.1	0.323	30	
<b>Duplicate (B209384-DUP1)</b>										
					<b>Source: 18G1251-01</b>					
					Prepared: 08/02/18 Analyzed: 08/03/18					
Lead	109	0.63	mg/Kg dry		107			1.88	35	
<b>MRL Check (B209384-MRL1)</b>										
					Prepared: 08/02/18 Analyzed: 08/03/18					
Lead	0.542	0.50	mg/Kg wet	0.502	108		80-120			
<b>Matrix Spike (B209384-MS1)</b>										
					<b>Source: 18G1251-01</b>					
					Prepared: 08/02/18 Analyzed: 08/03/18					
Lead	127	0.63	mg/Kg dry	21.0	107	96.3	75-125			



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**QUALITY CONTROL**

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B209513 - % Solids**

**Duplicate (B209513-DUP2)**

**Source: 18G1251-05**

Prepared: 08/03/18 Analyzed: 08/04/18

% Solids	84.0		% Wt			83.6		0.530	20	
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**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

B-A-5 (0-0.5)

*SW-846 8082A*

Lab Sample ID: 18G1251-01 Date(s) Analyzed: 08/05/2018 08/05/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.5	
	2	0.000	-0.030	0.030	1.5	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-A-5 (0.5-1.5)**

Lab Sample ID: 18G1251-02 Date(s) Analyzed: 08/05/2018 08/05/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	3.0	
	2	0.000	-0.030	0.030	3.1	3.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-A-5 (1.5-2.5)**

Lab Sample ID: 18G1251-03 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.94	
	2	0.000	-0.030	0.030	1.0	6.2

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-A-5 (2.5-3.5)**

Lab Sample ID: 18G1251-04 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.72	
	2	0.000	-0.030	0.030	0.78	8.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

DUP 1

*SW-846 8082A*

Lab Sample ID: 18G1251-05 Date(s) Analyzed: 08/05/2018 08/05/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.0	
	2	0.000	-0.030	0.030	2.2	9.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**DUP 5**

*SW-846 8082A*

Lab Sample ID: 18G1251-09 Date(s) Analyzed: 08/05/2018 08/05/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.7	
	2	0.000	-0.030	0.030	1.9	5.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**DUP 6**

*SW-846 8082A*

Lab Sample ID: 18G1251-10 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.72	
	2	0.000	-0.030	0.030	0.69	4.3



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**DUP 7**

*SW-846 8082A*

Lab Sample ID: 18G1251-11 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.64	
	2	0.000	-0.030	0.030	0.69	7.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

<b>DUP 8</b>
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Lab Sample ID: 18G1251-12 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.91	
	2	0.000	-0.030	0.030	1.0	9.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

<b>DUP 9</b>
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Lab Sample ID: 18G1251-13 Date(s) Analyzed: 08/05/2018 08/05/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.4	
	2	0.000	-0.030	0.030	2.6	8.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

DUP 10

*SW-846 8082A*

Lab Sample ID: 18G1251-14 Date(s) Analyzed: 08/05/2018 08/05/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	3.6	
	2	0.000	-0.030	0.030	3.9	8.0







**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**Matrix Spike Dup**

Lab Sample ID: B209390-MSD1 Date(s) Analyzed: 08/04/2018 08/04/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): \_\_\_\_\_ ID: \_\_\_\_\_ (mm) GC Column (2): \_\_\_\_\_ ID: \_\_\_\_\_ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.25	
	2	0.000	-0.030	0.030	0.39	43.8
Aroclor-1260	1	0.000	-0.030	0.030	0.51	
	2	0.000	-0.030	0.030	0.57	11.1



---

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**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
O-32	A dilution was performed as part of the standard analytical procedure.

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<b>SW-846 6010D in Soil</b>	
Lead	CT,NH,NY,AIHA,ME,VA,NC
<b>SW-846 8082A in Soil</b>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019





**con-test**  
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False**

Client Weston & Sumpson

Received By ESD Date 7-30-18 Time 15:24

How were the samples received? In Cooler T No Cooler \_\_\_\_\_ On Ice T No Ice \_\_\_\_\_  
Direct from Sampling \_\_\_\_\_ Ambient \_\_\_\_\_ Melted Ice \_\_\_\_\_

Were samples within Temperature? 2-6°C T By Gun # 2 Actual Temp - 23  
By Blank # \_\_\_\_\_ Actual Temp - \_\_\_\_\_

Was Custody Seal Intact? NA Were Samples Tampered with? NA  
Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T  
Did COC include all Client Analysis T Sampler Name T  
pertinent Information? Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T  
Are there Lab to Filters? F Who was notified? \_\_\_\_\_  
Are there Rushes? F Who was notified? \_\_\_\_\_  
Are there Short Holds? F Who was notified? \_\_\_\_\_

Is there enough Volume? T  
Is there Headspace where applicable? F MS/MSD? F  
Proper Media/Containers Used? T Is splitting samples required? F  
Were trip blanks received? F On COC? F  
Do all samples have the proper pH? NA Acid \_\_\_\_\_ Base \_\_\_\_\_

Viols	Containers				
Unp-	1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-	500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-	250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-	Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-	Other Plastic		Other Glass	<u>2</u>	Encore
Thiosulfate-	SOC Kit		Plastic Bag		Frozen:
Sulfuric-	Perchlorate		Ziplock		

**Unused Media**

Viols	Containers				
Unp-	1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-	500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-	250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-	Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-	Other Plastic		Other Glass		Encore
Thiosulfate-	SOC Kit		Plastic Bag		Frozen:
Sulfuric-	Perchlorate		Ziplock		

Comments:

## MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Con-Test Analytical Laboratory	Project #: 18G1251
Project Location: Conway Park., Somerville, MA	RTN:

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]  
18G1251-01 thru 18G1251-24

Matrices: Soil

**CAM Protocol (check all that below)**

8260 VOC CAM II A ( )	7470/7471 Hg CAM III B ( )	MassDEP VPH CAM IV A ( )	8082 PCB CAM V A (X)	9014 Total Cyanide/PAC CAM VI A ( )	6860 Perchlorate CAM VIII B ( )
8270 SVOC CAM II B ( )	7010 Metals CAM III C ( )	MassDEP VPH CAM IV C ( )	8081 Pesticides CAM V B ( )	7196 Hex Cr CAM VI B ( )	MassDEP APH CAM IX A ( )
6010 Metals CAM III A (X)	6020 Metals CAM III D ( )	MassDEP EPH CAM IV A ( )	8151 Herbicides CAM V C ( )	8330 Explosives CAM VIII A ( )	TO-15 VOC CAM IX B ( )

**Affirmative response to Questions A through F is required for "Presumptive Certainty" status**

<b>A</b>	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>B</b>	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>C</b>	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>D</b>	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>E a</b>	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	<input type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>E b</b>	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	<input type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>F</b>	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all No responses to Questions A through E)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>

**A response to questions G, H and I below is required for "Presumptive Certainty" status**

<b>G</b>	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
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**Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.**

<b>H</b>	Were all QC performance standards specified in the CAM protocol(s) achieved?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>
<b>I</b>	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>

<sup>1</sup>All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

**I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.**

Signature: Lisa Worthington Position: Project Manager  
Printed Name: Lisa A. Worthington Date: 08/06/18

August 31, 2018

Taylor Smith  
Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960

Project Location: Conway Park., Somerville, MA  
Client Job Number:  
Project Number: [none]  
Laboratory Work Order Number: 18G1252

Enclosed are results of analyses for samples received by the laboratory on July 30, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Meghan E. Kelley". The signature is written in a cursive style with a large, sweeping flourish at the end.

Meghan E. Kelley  
Project Manager

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Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 8/31/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18G1252

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-A-5 (3.5-5.5)	18G1252-01	Soil		SM 2540G SW-846 8082A	
B-A-5 (5.5-7.5)	18G1252-02	Soil		SM 2540G SW-846 8082A	
B-A-5 (7.5-9.5)	18G1252-03	Soil		SM 2540G SW-846 8082A	
B-A-5 (9.5-11.5)	18G1252-04	Soil		SM 2540G SW-846 8082A	
B-A-5 (11.5-13.5)	18G1252-05	Soil		SM 2540G SW-846 8082A	



**CASE NARRATIVE SUMMARY**

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

**SW-846 8082A**

**Qualifications:**

---

**O-32**

A dilution was performed as part of the standard analytical procedure.

**Analyte & Samples(s) Qualified:**

18G1252-03[B-A-5 (7.5-9.5)], 18G1252-04[B-A-5 (9.5-11.5)], 18G1252-05[B-A-5 (11.5-13.5)]

---

**S-02**

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

**Analyte & Samples(s) Qualified:**

**Decachlorobiphenyl [2C]**

18G1252-02[B-A-5 (5.5-7.5)], 18G1252-04[B-A-5 (9.5-11.5)]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington  
Project Manager

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1252

Date Received: 7/30/2018

Field Sample #: B-A-5 (3.5-5.5)

Sampled: 7/27/2018 15:04

Sample ID: 18G1252-01

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	8/2/18	8/26/18 11:28	KAL
Aroclor-1221 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	8/2/18	8/26/18 11:28	KAL
Aroclor-1232 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	8/2/18	8/26/18 11:28	KAL
Aroclor-1242 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	8/2/18	8/26/18 11:28	KAL
Aroclor-1248 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	8/2/18	8/26/18 11:28	KAL
Aroclor-1254 [2]	1.9	0.52	mg/Kg dry	20		SW-846 8082A	8/2/18	8/26/18 11:28	KAL
Aroclor-1260 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	8/2/18	8/26/18 11:28	KAL
Aroclor-1262 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	8/2/18	8/26/18 11:28	KAL
Aroclor-1268 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	8/2/18	8/26/18 11:28	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		93.3	30-150					8/26/18 11:28	
Decachlorobiphenyl [2]		118	30-150					8/26/18 11:28	
Tetrachloro-m-xylene [1]		88.8	30-150					8/26/18 11:28	
Tetrachloro-m-xylene [2]		98.0	30-150					8/26/18 11:28	

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1252

Date Received: 7/30/2018

Field Sample #: B-A-5 (3.5-5.5)

Sampled: 7/27/2018 15:04

Sample ID: 18G1252-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	77.4		% Wt	1		SM 2540G	8/29/18	8/30/18 18:08	MAT

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1252

Date Received: 7/30/2018

Field Sample #: B-A-5 (5.5-7.5)

Sampled: 7/27/2018 15:05

Sample ID: 18G1252-02

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 12:59	KAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 12:59	KAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 12:59	KAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 12:59	KAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 12:59	KAL
Aroclor-1254 [1]	0.40	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 12:59	KAL
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 12:59	KAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 12:59	KAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 12:59	KAL
Surrogates	% Recovery		Recovery Limits	Flag/Qual					
Decachlorobiphenyl [1]	69.6		30-150			8/25/18 12:59			
<b>Decachlorobiphenyl [2]</b>	<b>466 *</b>		30-150	S-02		8/25/18 12:59			
Tetrachloro-m-xylene [1]	65.0		30-150			8/25/18 12:59			
Tetrachloro-m-xylene [2]	90.7		30-150			8/25/18 12:59			

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1252

Date Received: 7/30/2018

Field Sample #: B-A-5 (5.5-7.5)

Sampled: 7/27/2018 15:05

Sample ID: 18G1252-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.7		% Wt	1		SM 2540G	8/29/18	8/30/18 18:08	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1252

Date Received: 7/30/2018

Field Sample #: B-A-5 (7.5-9.5)

Sampled: 7/27/2018 15:06

Sample ID: 18G1252-03

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 13:16	KAL
Aroclor-1221 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 13:16	KAL
Aroclor-1232 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 13:16	KAL
Aroclor-1242 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 13:16	KAL
Aroclor-1248 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 13:16	KAL
Aroclor-1254 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 13:16	KAL
Aroclor-1260 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 13:16	KAL
Aroclor-1262 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 13:16	KAL
Aroclor-1268 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 13:16	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		90.3	30-150					8/25/18 13:16	
Decachlorobiphenyl [2]		126	30-150					8/25/18 13:16	
Tetrachloro-m-xylene [1]		89.8	30-150					8/25/18 13:16	
Tetrachloro-m-xylene [2]		91.1	30-150					8/25/18 13:16	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1252

Date Received: 7/30/2018

Field Sample #: B-A-5 (7.5-9.5)

Sampled: 7/27/2018 15:06

Sample ID: 18G1252-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.0		% Wt	1		SM 2540G	8/29/18	8/30/18 18:08	MAT

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1252

Date Received: 7/30/2018

Field Sample #: B-A-5 (9.5-11.5)

Sampled: 7/27/2018 15:07

Sample ID: 18G1252-04

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 13:34	KAL
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 13:34	KAL
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 13:34	KAL
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 13:34	KAL
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 13:34	KAL
Aroclor-1254 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 13:34	KAL
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 13:34	KAL
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 13:34	KAL
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 13:34	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	73.8		30-150			8/25/18 13:34			
<b>Decachlorobiphenyl [2]</b>	<b>276 *</b>		30-150		S-02	8/25/18 13:34			
Tetrachloro-m-xylene [1]	70.8		30-150			8/25/18 13:34			
Tetrachloro-m-xylene [2]	85.8		30-150			8/25/18 13:34			



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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1252

Date Received: 7/30/2018

Field Sample #: B-A-5 (9.5-11.5)

Sampled: 7/27/2018 15:07

Sample ID: 18G1252-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.0		% Wt	1		SM 2540G	8/29/18	8/30/18 18:09	MAT

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1252

Date Received: 7/30/2018

Field Sample #: B-A-5 (11.5-13.5)

Sampled: 7/27/2018 15:08

Sample ID: 18G1252-05

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 13:51	KAL
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 13:51	KAL
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 13:51	KAL
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 13:51	KAL
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 13:51	KAL
Aroclor-1254 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 13:51	KAL
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 13:51	KAL
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 13:51	KAL
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	8/2/18	8/25/18 13:51	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		88.2	30-150					8/25/18 13:51	
Decachlorobiphenyl [2]		98.8	30-150					8/25/18 13:51	
Tetrachloro-m-xylene [1]		89.7	30-150					8/25/18 13:51	
Tetrachloro-m-xylene [2]		91.8	30-150					8/25/18 13:51	

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18G1252

Date Received: 7/30/2018

Field Sample #: B-A-5 (11.5-13.5)

Sampled: 7/27/2018 15:08

Sample ID: 18G1252-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.7		% Wt	1		SM 2540G	8/29/18	8/30/18 18:09	MAT

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**Sample Extraction Data****Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18G1252-01 [B-A-5 (3.5-5.5)]	B211398	08/29/18
18G1252-02 [B-A-5 (5.5-7.5)]	B211398	08/29/18
18G1252-03 [B-A-5 (7.5-9.5)]	B211398	08/29/18
18G1252-04 [B-A-5 (9.5-11.5)]	B211398	08/29/18
18G1252-05 [B-A-5 (11.5-13.5)]	B211398	08/29/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18G1252-01 [B-A-5 (3.5-5.5)]	B209393	10.0	10.0	08/02/18
18G1252-02 [B-A-5 (5.5-7.5)]	B209393	10.0	10.0	08/02/18
18G1252-03 [B-A-5 (7.5-9.5)]	B209393	10.0	10.0	08/02/18
18G1252-04 [B-A-5 (9.5-11.5)]	B209393	10.0	10.0	08/02/18
18G1252-05 [B-A-5 (11.5-13.5)]	B209393	10.0	10.0	08/02/18

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209393 - SW-846 3540C</b>										
<b>Blank (B209393-BLK1)</b>										
Prepared: 08/02/18 Analyzed: 08/05/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.201		mg/Kg wet	0.200		100	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.207		mg/Kg wet	0.200		104	30-150			
Surrogate: Tetrachloro-m-xylene	0.180		mg/Kg wet	0.200		90.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.173		mg/Kg wet	0.200		86.3	30-150			
<b>LCS (B209393-BS1)</b>										
Prepared: 08/02/18 Analyzed: 08/05/18										
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		95.9	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		96.8	40-140			
Aroclor-1260	0.19	0.020	mg/Kg wet	0.200		93.0	40-140			
Aroclor-1260 [2C]	0.20	0.020	mg/Kg wet	0.200		100	40-140			
Surrogate: Decachlorobiphenyl	0.213		mg/Kg wet	0.200		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.222		mg/Kg wet	0.200		111	30-150			
Surrogate: Tetrachloro-m-xylene	0.184		mg/Kg wet	0.200		92.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.174		mg/Kg wet	0.200		87.0	30-150			
<b>LCS Dup (B209393-BSD1)</b>										
Prepared: 08/02/18 Analyzed: 08/05/18										
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		89.1	40-140	7.41	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		88.2	40-140	9.23	30	
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		78.7	40-140	16.6	30	
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		87.1	40-140	14.1	30	
Surrogate: Decachlorobiphenyl	0.175		mg/Kg wet	0.200		87.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.177		mg/Kg wet	0.200		88.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.171		mg/Kg wet	0.200		85.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.164		mg/Kg wet	0.200		82.1	30-150			

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**QUALITY CONTROL**

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B211398 - % Solids**

**Duplicate (B211398-DUP2)**

**Source: 18G1252-01**

Prepared: 08/29/18 Analyzed: 08/30/18

% Solids	76.8		% Wt		77.4			0.827	20	
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**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-A-5 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18G1252-01 Date(s) Analyzed: 08/26/2018 08/26/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.7	
	2	0.000	-0.030	0.030	1.9	11.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-A-5 (5.5-7.5)**

*SW-846 8082A*

Lab Sample ID: 18G1252-02 Date(s) Analyzed: 08/25/2018 08/25/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.40	
	2	0.000	-0.030	0.030	0.38	5.1



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

<b>LCS</b>
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*SW-846 8082A*

Lab Sample ID:                     B209393-BS1                                          Date(s) Analyzed:           08/05/2018                     08/05/2018          

Instrument ID (1):                     ECD5                                          Instrument ID (2):                     ECD5                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.19	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.20	5.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**LCS Dup**

*SW-846 8082A*

Lab Sample ID:                     B209393-BSD1                                          Date(s) Analyzed:           08/05/2018                     08/05/2018          

Instrument ID (1):                     ECD5                                          Instrument ID (2):                     ECD5                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.18	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.17	6.1

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**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
O-32	A dilution was performed as part of the standard analytical procedure.
S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<i>SW-846 8082A in Soil</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019





Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False**

Client Weston & Sappor

Received By ESO Date 7-30-18 Time 15:24

How were the samples received? In Cooler T No Cooler \_\_\_\_\_ On Ice T No Ice \_\_\_\_\_  
 Direct from Sampling \_\_\_\_\_ Ambient \_\_\_\_\_ Melted Ice \_\_\_\_\_

Were samples within Temperature? 2-6°C T By Gun # ? Actual Temp - 2.3  
 By Blank # \_\_\_\_\_ Actual Temp - \_\_\_\_\_

Was Custody Seal Intact? NA Were Samples Tampered with? NA  
 Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T  
 Did COC include all Client T Analysis T Sampler Name T  
 pertinent Information? Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T  
 Are there Lab to Filters? F Who was notified? \_\_\_\_\_  
 Are there Rushes? F Who was notified? \_\_\_\_\_  
 Are there Short Holds? F Who was notified? \_\_\_\_\_

Is there enough Volume? T  
 Is there Headspace where applicable? F MS/MSD? F  
 Proper Media/Containers Used? T Is splitting samples required? F  
 Were trip blanks received? F On COC? F  
 Do all samples have the proper pH? NA Acid \_\_\_\_\_ Base \_\_\_\_\_

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-		Other Plastic		Other Glass	5	Encore
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:
Sulfuric-		Perchlorate		Ziplock		

**Unused Media**

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-		Other Plastic		Other Glass		Encore
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:
Sulfuric-		Perchlorate		Ziplock		

Comments:



August 8, 2018

Taylor Smith  
Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960

Project Location: Conway Park., Somerville, MA  
Client Job Number:  
Project Number: [none]  
Laboratory Work Order Number: 18H0025

Enclosed are results of analyses for samples received by the laboratory on August 1, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, reading "Meghan E. Kelley". The signature is written in a cursive style with a large, sweeping 'y' at the end.

Meghan E. Kelley  
Project Manager



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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 8/8/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18H0025

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
DUP 21	18H0025-01	Soil		SM 2540G SW-846 6010D SW-846 8082A	
DUP 22	18H0025-02	Soil		SM 2540G SW-846 6010D SW-846 8082A	
DUP 23	18H0025-03	Soil		SM 2540G SW-846 6010D SW-846 8082A	
DUP 24	18H0025-04	Soil		SM 2540G SW-846 6010D SW-846 8082A	
DUP 25	18H0025-05	Soil		SM 2540G SW-846 6010D SW-846 8082A	
DUP 26	18H0025-06	Soil		SM 2540G SW-846 6010D SW-846 8082A	
DUP 27	18H0025-07	Soil		SM 2540G SW-846 6010D SW-846 8082A	
DUP 28	18H0025-08	Soil		SM 2540G SW-846 6010D SW-846 8082A	
DUP 29	18H0025-09	Soil		SM 2540G SW-846 6010D SW-846 8082A	
DUP 30	18H0025-10	Soil		SM 2540G SW-846 6010D SW-846 8082A	
CS 1	18H0025-11	Concrete		SW-846 8082A	
CS 2	18H0025-12	Concrete		SW-846 8082A	
CS 3	18H0025-13	Concrete		SW-846 8082A	
CS 4	18H0025-14	Concrete		SW-846 8082A	
CS 5	18H0025-15	Concrete		SW-846 8082A	
CS 6	18H0025-16	Concrete		SW-846 8082A	
CS 7	18H0025-17	Concrete		SW-846 8082A	

**CASE NARRATIVE SUMMARY**

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 6010, only Pb was requested and reported.

**SW-846 8082A**

**Qualifications:****O-32**

A dilution was performed as part of the standard analytical procedure.

**Analyte & Samples(s) Qualified:**

18H0025-04[DUP 24], 18H0025-07[DUP 27], 18H0025-10[DUP 30]

**S-01**

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**Analyte & Samples(s) Qualified:****Decachlorobiphenyl**

18H0025-03[DUP 23], 18H0025-05[DUP 25]

**Decachlorobiphenyl [2C]**

18H0025-03[DUP 23], 18H0025-05[DUP 25]

**Tetrachloro-m-xylene**

18H0025-03[DUP 23], 18H0025-05[DUP 25]

**Tetrachloro-m-xylene [2C]**

18H0025-03[DUP 23], 18H0025-05[DUP 25]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington  
Project Manager

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0025

Date Received: 8/1/2018

Field Sample #: DUP 21

Sampled: 7/31/2018 00:00

Sample ID: 18H0025-01

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 18:25	JMB
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 18:25	JMB
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 18:25	JMB
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 18:25	JMB
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 18:25	JMB
Aroclor-1254 [2]	0.66	0.094	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 18:25	JMB
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 18:25	JMB
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 18:25	JMB
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 18:25	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		98.5	30-150					8/7/18 18:25	
Decachlorobiphenyl [2]		99.4	30-150					8/7/18 18:25	
Tetrachloro-m-xylene [1]		87.7	30-150					8/7/18 18:25	
Tetrachloro-m-xylene [2]		83.4	30-150					8/7/18 18:25	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0025

Date Received: 8/1/2018

Field Sample #: DUP 21

Sampled: 7/31/2018 00:00

Sample ID: 18H0025-01

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	39	0.57	mg/Kg dry	1		SW-846 6010D	8/6/18	8/7/18 14:54	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0025

Date Received: 8/1/2018

Field Sample #: DUP 21

Sampled: 7/31/2018 00:00

Sample ID: 18H0025-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.2		% Wt	1		SM 2540G	8/6/18	8/7/18 9:43	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0025

Date Received: 8/1/2018

Field Sample #: DUP 22

Sampled: 7/31/2018 00:00

Sample ID: 18H0025-02

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 18:42	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 18:42	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 18:42	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 18:42	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 18:42	JMB
Aroclor-1254 [2]	1.0	0.10	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 18:42	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 18:42	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 18:42	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 18:42	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.3	30-150					8/7/18 18:42	
Decachlorobiphenyl [2]		85.9	30-150					8/7/18 18:42	
Tetrachloro-m-xylene [1]		78.5	30-150					8/7/18 18:42	
Tetrachloro-m-xylene [2]		76.0	30-150					8/7/18 18:42	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0025

Date Received: 8/1/2018

Field Sample #: DUP 22

Sampled: 7/31/2018 00:00

Sample ID: 18H0025-02

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	52	0.64	mg/Kg dry	1		SW-846 6010D	8/6/18	8/7/18 15:41	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0025

Date Received: 8/1/2018

Field Sample #: DUP 22

Sampled: 7/31/2018 00:00

Sample ID: 18H0025-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	77.1		% Wt	1		SM 2540G	8/6/18	8/7/18 9:43	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0025

Date Received: 8/1/2018

Field Sample #: DUP 23

Sampled: 7/31/2018 00:00

Sample ID: 18H0025-03

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.96	mg/Kg dry	40		SW-846 8082A	8/4/18	8/8/18 6:18	JMB
Aroclor-1221 [1]	ND	0.96	mg/Kg dry	40		SW-846 8082A	8/4/18	8/8/18 6:18	JMB
Aroclor-1232 [1]	ND	0.96	mg/Kg dry	40		SW-846 8082A	8/4/18	8/8/18 6:18	JMB
Aroclor-1242 [1]	ND	0.96	mg/Kg dry	40		SW-846 8082A	8/4/18	8/8/18 6:18	JMB
Aroclor-1248 [1]	ND	0.96	mg/Kg dry	40		SW-846 8082A	8/4/18	8/8/18 6:18	JMB
Aroclor-1254 [2]	7.3	0.96	mg/Kg dry	40		SW-846 8082A	8/4/18	8/8/18 6:18	JMB
Aroclor-1260 [1]	ND	0.96	mg/Kg dry	40		SW-846 8082A	8/4/18	8/8/18 6:18	JMB
Aroclor-1262 [1]	ND	0.96	mg/Kg dry	40		SW-846 8082A	8/4/18	8/8/18 6:18	JMB
Aroclor-1268 [1]	ND	0.96	mg/Kg dry	40		SW-846 8082A	8/4/18	8/8/18 6:18	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/8/18 6:18	
Decachlorobiphenyl [2]		*	30-150		S-01			8/8/18 6:18	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/8/18 6:18	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/8/18 6:18	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0025

Date Received: 8/1/2018

Field Sample #: DUP 23

Sampled: 7/31/2018 00:00

Sample ID: 18H0025-03

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	190	0.59	mg/Kg dry	1		SW-846 6010D	8/6/18	8/7/18 15:58	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0025

Date Received: 8/1/2018

Field Sample #: DUP 23

Sampled: 7/31/2018 00:00

Sample ID: 18H0025-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.4		% Wt	1		SM 2540G	8/6/18	8/7/18 9:43	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0025

Date Received: 8/1/2018

Field Sample #: DUP 24

Sampled: 7/31/2018 00:00

Sample ID: 18H0025-04

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 19:18	JMB
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 19:18	JMB
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 19:18	JMB
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 19:18	JMB
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 19:18	JMB
Aroclor-1254 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 19:18	JMB
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 19:18	JMB
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 19:18	JMB
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 19:18	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		101	30-150					8/7/18 19:18	
Decachlorobiphenyl [2]		105	30-150					8/7/18 19:18	
Tetrachloro-m-xylene [1]		88.6	30-150					8/7/18 19:18	
Tetrachloro-m-xylene [2]		86.6	30-150					8/7/18 19:18	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0025

Date Received: 8/1/2018

Field Sample #: DUP 24

Sampled: 7/31/2018 00:00

Sample ID: 18H0025-04

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	8.7	0.57	mg/Kg dry	1		SW-846 6010D	8/6/18	8/7/18 16:04	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0025

Date Received: 8/1/2018

Field Sample #: DUP 24

Sampled: 7/31/2018 00:00

Sample ID: 18H0025-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.4		% Wt	1		SM 2540G	8/6/18	8/7/18 9:44	MJR



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0025

Date Received: 8/1/2018

Field Sample #: DUP 25

Sampled: 7/31/2018 00:00

Sample ID: 18H0025-05

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg dry	40		SW-846 8082A	8/4/18	8/8/18 6:31	JMB
Aroclor-1221 [1]	ND	0.99	mg/Kg dry	40		SW-846 8082A	8/4/18	8/8/18 6:31	JMB
Aroclor-1232 [1]	ND	0.99	mg/Kg dry	40		SW-846 8082A	8/4/18	8/8/18 6:31	JMB
Aroclor-1242 [1]	ND	0.99	mg/Kg dry	40		SW-846 8082A	8/4/18	8/8/18 6:31	JMB
Aroclor-1248 [1]	ND	0.99	mg/Kg dry	40		SW-846 8082A	8/4/18	8/8/18 6:31	JMB
Aroclor-1254 [2]	5.7	0.99	mg/Kg dry	40		SW-846 8082A	8/4/18	8/8/18 6:31	JMB
Aroclor-1260 [1]	ND	0.99	mg/Kg dry	40		SW-846 8082A	8/4/18	8/8/18 6:31	JMB
Aroclor-1262 [1]	ND	0.99	mg/Kg dry	40		SW-846 8082A	8/4/18	8/8/18 6:31	JMB
Aroclor-1268 [1]	ND	0.99	mg/Kg dry	40		SW-846 8082A	8/4/18	8/8/18 6:31	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/8/18 6:31	
Decachlorobiphenyl [2]		*	30-150		S-01			8/8/18 6:31	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/8/18 6:31	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/8/18 6:31	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0025

Date Received: 8/1/2018

Field Sample #: DUP 25

Sampled: 7/31/2018 00:00

Sample ID: 18H0025-05

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	150	0.61	mg/Kg dry	1		SW-846 6010D	8/6/18	8/7/18 16:10	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0025

Date Received: 8/1/2018

Field Sample #: DUP 25

Sampled: 7/31/2018 00:00

Sample ID: 18H0025-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.7		% Wt	1		SM 2540G	8/6/18	8/7/18 9:44	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0025

Date Received: 8/1/2018

Field Sample #: DUP 26

Sampled: 7/31/2018 00:00

Sample ID: 18H0025-06

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.36	mg/Kg dry	16		SW-846 8082A	8/4/18	8/8/18 6:43	JMB
Aroclor-1221 [1]	ND	0.36	mg/Kg dry	16		SW-846 8082A	8/4/18	8/8/18 6:43	JMB
Aroclor-1232 [1]	ND	0.36	mg/Kg dry	16		SW-846 8082A	8/4/18	8/8/18 6:43	JMB
Aroclor-1242 [1]	ND	0.36	mg/Kg dry	16		SW-846 8082A	8/4/18	8/8/18 6:43	JMB
Aroclor-1248 [1]	ND	0.36	mg/Kg dry	16		SW-846 8082A	8/4/18	8/8/18 6:43	JMB
Aroclor-1254 [2]	2.2	0.36	mg/Kg dry	16		SW-846 8082A	8/4/18	8/8/18 6:43	JMB
Aroclor-1260 [1]	ND	0.36	mg/Kg dry	16		SW-846 8082A	8/4/18	8/8/18 6:43	JMB
Aroclor-1262 [1]	ND	0.36	mg/Kg dry	16		SW-846 8082A	8/4/18	8/8/18 6:43	JMB
Aroclor-1268 [1]	ND	0.36	mg/Kg dry	16		SW-846 8082A	8/4/18	8/8/18 6:43	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		98.1	30-150					8/8/18 6:43	
Decachlorobiphenyl [2]		103	30-150					8/8/18 6:43	
Tetrachloro-m-xylene [1]		85.1	30-150					8/8/18 6:43	
Tetrachloro-m-xylene [2]		83.6	30-150					8/8/18 6:43	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0025

Date Received: 8/1/2018

Field Sample #: DUP 26

Sampled: 7/31/2018 00:00

Sample ID: 18H0025-06

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	67	0.55	mg/Kg dry	1		SW-846 6010D	8/6/18	8/7/18 16:16	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0025

Date Received: 8/1/2018

Field Sample #: DUP 26

Sampled: 7/31/2018 00:00

Sample ID: 18H0025-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.5		% Wt	1		SM 2540G	8/6/18	8/7/18 9:44	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0025

Date Received: 8/1/2018

Field Sample #: DUP 27

Sampled: 7/31/2018 00:00

Sample ID: 18H0025-07

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 20:11	JMB
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 20:11	JMB
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 20:11	JMB
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 20:11	JMB
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 20:11	JMB
Aroclor-1254 [2]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 20:11	JMB
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 20:11	JMB
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 20:11	JMB
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 20:11	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		98.8	30-150					8/7/18 20:11	
Decachlorobiphenyl [2]		100	30-150					8/7/18 20:11	
Tetrachloro-m-xylene [1]		91.1	30-150					8/7/18 20:11	
Tetrachloro-m-xylene [2]		87.9	30-150					8/7/18 20:11	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0025

Date Received: 8/1/2018

Field Sample #: DUP 27

Sampled: 7/31/2018 00:00

Sample ID: 18H0025-07

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	9.5	0.54	mg/Kg dry	1		SW-846 6010D	8/6/18	8/7/18 16:20	MJH



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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0025

Date Received: 8/1/2018

Field Sample #: DUP 27

Sampled: 7/31/2018 00:00

Sample ID: 18H0025-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.0		% Wt	1		SM 2540G	8/6/18	8/7/18 9:44	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0025

Date Received: 8/1/2018

Field Sample #: DUP 28

Sampled: 7/31/2018 00:00

Sample ID: 18H0025-08

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	8/4/18	8/8/18 7:25	JMB
Aroclor-1221 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	8/4/18	8/8/18 7:25	JMB
Aroclor-1232 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	8/4/18	8/8/18 7:25	JMB
Aroclor-1242 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	8/4/18	8/8/18 7:25	JMB
Aroclor-1248 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	8/4/18	8/8/18 7:25	JMB
Aroclor-1254 [2]	4.8	0.50	mg/Kg dry	20		SW-846 8082A	8/4/18	8/8/18 7:25	JMB
Aroclor-1260 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	8/4/18	8/8/18 7:25	JMB
Aroclor-1262 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	8/4/18	8/8/18 7:25	JMB
Aroclor-1268 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	8/4/18	8/8/18 7:25	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		104	30-150					8/8/18 7:25	
Decachlorobiphenyl [2]		110	30-150					8/8/18 7:25	
Tetrachloro-m-xylene [1]		92.2	30-150					8/8/18 7:25	
Tetrachloro-m-xylene [2]		91.5	30-150					8/8/18 7:25	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0025

Date Received: 8/1/2018

Field Sample #: DUP 28

Sampled: 7/31/2018 00:00

Sample ID: 18H0025-08

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	100	0.62	mg/Kg dry	1		SW-846 6010D	8/6/18	8/7/18 16:25	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0025

Date Received: 8/1/2018

Field Sample #: DUP 28

Sampled: 7/31/2018 00:00

Sample ID: 18H0025-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.4		% Wt	1		SM 2540G	8/6/18	8/7/18 9:44	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0025

Date Received: 8/1/2018

Field Sample #: DUP 29

Sampled: 7/31/2018 00:00

Sample ID: 18H0025-09

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/4/18	8/8/18 7:43	JMB
Aroclor-1221 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/4/18	8/8/18 7:43	JMB
Aroclor-1232 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/4/18	8/8/18 7:43	JMB
Aroclor-1242 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/4/18	8/8/18 7:43	JMB
Aroclor-1248 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/4/18	8/8/18 7:43	JMB
Aroclor-1254 [2]	2.9	0.46	mg/Kg dry	20		SW-846 8082A	8/4/18	8/8/18 7:43	JMB
Aroclor-1260 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/4/18	8/8/18 7:43	JMB
Aroclor-1262 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/4/18	8/8/18 7:43	JMB
Aroclor-1268 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	8/4/18	8/8/18 7:43	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		96.8	30-150					8/8/18 7:43	
Decachlorobiphenyl [2]		102	30-150					8/8/18 7:43	
Tetrachloro-m-xylene [1]		85.1	30-150					8/8/18 7:43	
Tetrachloro-m-xylene [2]		84.4	30-150					8/8/18 7:43	

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0025

Date Received: 8/1/2018

Field Sample #: DUP 29

Sampled: 7/31/2018 00:00

Sample ID: 18H0025-09

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	130	0.56	mg/Kg dry	1		SW-846 6010D	8/6/18	8/7/18 16:31	MJH

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0025

Date Received: 8/1/2018

Field Sample #: DUP 29

Sampled: 7/31/2018 00:00

Sample ID: 18H0025-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.8		% Wt	1		SM 2540G	8/6/18	8/7/18 9:44	MJR

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0025

Date Received: 8/1/2018

Field Sample #: DUP 30

Sampled: 7/31/2018 00:00

Sample ID: 18H0025-10

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 21:53	JMB
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 21:53	JMB
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 21:53	JMB
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 21:53	JMB
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 21:53	JMB
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 21:53	JMB
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 21:53	JMB
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 21:53	JMB
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/4/18	8/7/18 21:53	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		94.9	30-150					8/7/18 21:53	
Decachlorobiphenyl [2]		101	30-150					8/7/18 21:53	
Tetrachloro-m-xylene [1]		88.5	30-150					8/7/18 21:53	
Tetrachloro-m-xylene [2]		84.0	30-150					8/7/18 21:53	



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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0025

Date Received: 8/1/2018

Field Sample #: DUP 30

Sampled: 7/31/2018 00:00

Sample ID: 18H0025-10

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	97	0.53	mg/Kg dry	1		SW-846 6010D	8/6/18	8/7/18 16:37	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0025

Date Received: 8/1/2018

Field Sample #: DUP 30

Sampled: 7/31/2018 00:00

Sample ID: 18H0025-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.3		% Wt	1		SM 2540G	8/6/18	8/7/18 9:45	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0025

Date Received: 8/1/2018

Field Sample #: CS 1

Sampled: 7/31/2018 11:20

Sample ID: 18H0025-11

Sample Matrix: Concrete

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	8/2/18	8/6/18 23:35	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	8/2/18	8/6/18 23:35	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	8/2/18	8/6/18 23:35	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	8/2/18	8/6/18 23:35	KAL
Aroclor-1248 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	8/2/18	8/6/18 23:35	KAL
Aroclor-1254 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	8/2/18	8/6/18 23:35	KAL
Aroclor-1260 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	8/2/18	8/6/18 23:35	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	8/2/18	8/6/18 23:35	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	8/2/18	8/6/18 23:35	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		114	30-150					8/6/18 23:35	
Decachlorobiphenyl [2]		118	30-150					8/6/18 23:35	
Tetrachloro-m-xylene [1]		102	30-150					8/6/18 23:35	
Tetrachloro-m-xylene [2]		96.1	30-150					8/6/18 23:35	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0025

Date Received: 8/1/2018

Field Sample #: CS 2

Sampled: 7/31/2018 11:00

Sample ID: 18H0025-12

Sample Matrix: Concrete

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/2/18	8/6/18 23:53	KAL
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/2/18	8/6/18 23:53	KAL
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/2/18	8/6/18 23:53	KAL
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/2/18	8/6/18 23:53	KAL
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/2/18	8/6/18 23:53	KAL
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/2/18	8/6/18 23:53	KAL
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/2/18	8/6/18 23:53	KAL
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/2/18	8/6/18 23:53	KAL
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/2/18	8/6/18 23:53	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		112	30-150					8/6/18 23:53	
Decachlorobiphenyl [2]		117	30-150					8/6/18 23:53	
Tetrachloro-m-xylene [1]		98.9	30-150					8/6/18 23:53	
Tetrachloro-m-xylene [2]		92.3	30-150					8/6/18 23:53	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0025

Date Received: 8/1/2018

Field Sample #: CS 3

Sampled: 7/31/2018 11:30

Sample ID: 18H0025-13

Sample Matrix: Concrete

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 0:10	KAL
Aroclor-1221 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 0:10	KAL
Aroclor-1232 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 0:10	KAL
Aroclor-1242 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 0:10	KAL
Aroclor-1248 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 0:10	KAL
Aroclor-1254 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 0:10	KAL
Aroclor-1260 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 0:10	KAL
Aroclor-1262 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 0:10	KAL
Aroclor-1268 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 0:10	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		112	30-150					8/7/18 0:10	
Decachlorobiphenyl [2]		117	30-150					8/7/18 0:10	
Tetrachloro-m-xylene [1]		98.5	30-150					8/7/18 0:10	
Tetrachloro-m-xylene [2]		92.6	30-150					8/7/18 0:10	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0025

Date Received: 8/1/2018

Field Sample #: CS 4

Sampled: 7/31/2018 11:40

Sample ID: 18H0025-14

Sample Matrix: Concrete

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.079	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 0:28	KAL
Aroclor-1221 [1]	ND	0.079	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 0:28	KAL
Aroclor-1232 [1]	ND	0.079	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 0:28	KAL
Aroclor-1242 [1]	ND	0.079	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 0:28	KAL
Aroclor-1248 [1]	ND	0.079	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 0:28	KAL
Aroclor-1254 [1]	ND	0.079	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 0:28	KAL
Aroclor-1260 [1]	ND	0.079	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 0:28	KAL
Aroclor-1262 [1]	ND	0.079	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 0:28	KAL
Aroclor-1268 [1]	ND	0.079	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 0:28	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	115		30-150			8/7/18 0:28			
Decachlorobiphenyl [2]	120		30-150			8/7/18 0:28			
Tetrachloro-m-xylene [1]	103		30-150			8/7/18 0:28			
Tetrachloro-m-xylene [2]	97.5		30-150			8/7/18 0:28			

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0025

Date Received: 8/1/2018

Field Sample #: CS 5

Sampled: 7/31/2018 11:45

Sample ID: 18H0025-15

Sample Matrix: Concrete

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 0:46	KAL
Aroclor-1221 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 0:46	KAL
Aroclor-1232 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 0:46	KAL
Aroclor-1242 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 0:46	KAL
Aroclor-1248 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 0:46	KAL
Aroclor-1254 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 0:46	KAL
Aroclor-1260 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 0:46	KAL
Aroclor-1262 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 0:46	KAL
Aroclor-1268 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 0:46	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		116	30-150					8/7/18 0:46	
Decachlorobiphenyl [2]		121	30-150					8/7/18 0:46	
Tetrachloro-m-xylene [1]		103	30-150					8/7/18 0:46	
Tetrachloro-m-xylene [2]		97.3	30-150					8/7/18 0:46	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0025

Date Received: 8/1/2018

Field Sample #: CS 6

Sampled: 7/31/2018 11:50

Sample ID: 18H0025-16

Sample Matrix: Concrete

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 1:04	KAL
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 1:04	KAL
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 1:04	KAL
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 1:04	KAL
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 1:04	KAL
Aroclor-1254 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 1:04	KAL
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 1:04	KAL
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 1:04	KAL
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 1:04	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		82.1	30-150					8/7/18 1:04	
Decachlorobiphenyl [2]		85.6	30-150					8/7/18 1:04	
Tetrachloro-m-xylene [1]		74.7	30-150					8/7/18 1:04	
Tetrachloro-m-xylene [2]		70.2	30-150					8/7/18 1:04	



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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0025

Date Received: 8/1/2018

Field Sample #: CS 7

Sampled: 7/31/2018 11:55

Sample ID: 18H0025-17

Sample Matrix: Concrete

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 1:22	KAL
Aroclor-1221 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 1:22	KAL
Aroclor-1232 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 1:22	KAL
Aroclor-1242 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 1:22	KAL
Aroclor-1248 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 1:22	KAL
Aroclor-1254 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 1:22	KAL
Aroclor-1260 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 1:22	KAL
Aroclor-1262 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 1:22	KAL
Aroclor-1268 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	8/2/18	8/7/18 1:22	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		114	30-150					8/7/18 1:22	
Decachlorobiphenyl [2]		119	30-150					8/7/18 1:22	
Tetrachloro-m-xylene [1]		101	30-150					8/7/18 1:22	
Tetrachloro-m-xylene [2]		95.0	30-150					8/7/18 1:22	

**Sample Extraction Data**

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18H0025-01 [DUP 21]	B209667	08/06/18
18H0025-02 [DUP 22]	B209667	08/06/18
18H0025-03 [DUP 23]	B209667	08/06/18
18H0025-04 [DUP 24]	B209667	08/06/18
18H0025-05 [DUP 25]	B209667	08/06/18
18H0025-06 [DUP 26]	B209667	08/06/18
18H0025-07 [DUP 27]	B209667	08/06/18
18H0025-08 [DUP 28]	B209667	08/06/18
18H0025-09 [DUP 29]	B209667	08/06/18
18H0025-10 [DUP 30]	B209667	08/06/18

**Prep Method: SW-846 3050B-SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18H0025-01 [DUP 21]	B209605	1.53	50.0	08/06/18
18H0025-02 [DUP 22]	B209605	1.53	50.0	08/06/18
18H0025-03 [DUP 23]	B209605	1.52	50.0	08/06/18
18H0025-04 [DUP 24]	B209605	1.50	50.0	08/06/18
18H0025-05 [DUP 25]	B209605	1.52	50.0	08/06/18
18H0025-06 [DUP 26]	B209605	1.53	50.0	08/06/18
18H0025-07 [DUP 27]	B209605	1.52	50.0	08/06/18
18H0025-08 [DUP 28]	B209605	1.51	50.0	08/06/18
18H0025-09 [DUP 29]	B209605	1.52	50.0	08/06/18
18H0025-10 [DUP 30]	B209605	1.51	50.0	08/06/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18H0025-11 [CS 1]	B209308	2.38	10.0	08/02/18
18H0025-12 [CS 2]	B209308	2.11	10.0	08/02/18
18H0025-13 [CS 3]	B209308	2.27	10.0	08/02/18
18H0025-14 [CS 4]	B209308	2.53	10.0	08/02/18
18H0025-15 [CS 5]	B209308	2.21	10.0	08/02/18
18H0025-16 [CS 6]	B209308	2.08	10.0	08/02/18
18H0025-17 [CS 7]	B209308	2.23	10.0	08/02/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18H0025-01 [DUP 21]	B209558	10.0	10.0	08/04/18
18H0025-02 [DUP 22]	B209558	10.0	10.0	08/04/18
18H0025-03 [DUP 23]	B209558	10.0	10.0	08/04/18
18H0025-04 [DUP 24]	B209558	10.0	10.0	08/04/18
18H0025-05 [DUP 25]	B209558	10.0	10.0	08/04/18
18H0025-06 [DUP 26]	B209558	10.0	10.0	08/04/18
18H0025-07 [DUP 27]	B209558	10.0	10.0	08/04/18
18H0025-08 [DUP 28]	B209558	10.0	10.0	08/04/18
18H0025-09 [DUP 29]	B209558	10.0	10.0	08/04/18
18H0025-10 [DUP 30]	B209558	10.0	10.0	08/04/18

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209308 - SW-846 3540C</b>										
<b>Blank (B209308-BLK1)</b>										
Prepared: 08/02/18 Analyzed: 08/03/18										
Aroclor-1016	ND	0.099	mg/Kg							
Aroclor-1016 [2C]	ND	0.099	mg/Kg							
Aroclor-1221	ND	0.099	mg/Kg							
Aroclor-1221 [2C]	ND	0.099	mg/Kg							
Aroclor-1232	ND	0.099	mg/Kg							
Aroclor-1232 [2C]	ND	0.099	mg/Kg							
Aroclor-1242	ND	0.099	mg/Kg							
Aroclor-1242 [2C]	ND	0.099	mg/Kg							
Aroclor-1248	ND	0.099	mg/Kg							
Aroclor-1248 [2C]	ND	0.099	mg/Kg							
Aroclor-1254	ND	0.099	mg/Kg							
Aroclor-1254 [2C]	ND	0.099	mg/Kg							
Aroclor-1260	ND	0.099	mg/Kg							
Aroclor-1260 [2C]	ND	0.099	mg/Kg							
Aroclor-1262	ND	0.099	mg/Kg							
Aroclor-1262 [2C]	ND	0.099	mg/Kg							
Aroclor-1268	ND	0.099	mg/Kg							
Aroclor-1268 [2C]	ND	0.099	mg/Kg							
Surrogate: Decachlorobiphenyl	0.976		mg/Kg	0.985		99.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.03		mg/Kg	0.985		105	30-150			
Surrogate: Tetrachloro-m-xylene	0.966		mg/Kg	0.985		98.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.904		mg/Kg	0.985		91.7	30-150			
<b>LCS (B209308-BS1)</b>										
Prepared: 08/02/18 Analyzed: 08/03/18										
Aroclor-1016	0.87	0.10	mg/Kg	0.995		87.1	40-140			
Aroclor-1016 [2C]	0.81	0.10	mg/Kg	0.995		81.0	40-140			
Aroclor-1260	0.80	0.10	mg/Kg	0.995		80.4	40-140			
Aroclor-1260 [2C]	0.87	0.10	mg/Kg	0.995		87.5	40-140			
Surrogate: Decachlorobiphenyl	0.906		mg/Kg	0.995		91.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.976		mg/Kg	0.995		98.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.858		mg/Kg	0.995		86.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.805		mg/Kg	0.995		80.9	30-150			
<b>LCS Dup (B209308-BSD1)</b>										
Prepared: 08/02/18 Analyzed: 08/03/18										
Aroclor-1016	0.75	0.096	mg/Kg	0.962		78.2	40-140	14.2	30	
Aroclor-1016 [2C]	0.68	0.096	mg/Kg	0.962		70.7	40-140	17.0	30	
Aroclor-1260	0.69	0.096	mg/Kg	0.962		72.0	40-140	14.4	30	
Aroclor-1260 [2C]	0.75	0.096	mg/Kg	0.962		78.0	40-140	14.9	30	
Surrogate: Decachlorobiphenyl	0.764		mg/Kg	0.962		79.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.817		mg/Kg	0.962		84.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.739		mg/Kg	0.962		76.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.697		mg/Kg	0.962		72.5	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209558 - SW-846 3540C</b>										
<b>Blank (B209558-BLK1)</b>										
Prepared: 08/04/18 Analyzed: 08/07/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.188		mg/Kg wet	0.200		94.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.194		mg/Kg wet	0.200		97.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.170		mg/Kg wet	0.200		85.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.164		mg/Kg wet	0.200		82.0	30-150			
<b>LCS (B209558-BS1)</b>										
Prepared: 08/04/18 Analyzed: 08/07/18										
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		95.4	40-140			
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		97.7	40-140			
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		89.2	40-140			
Aroclor-1260 [2C]	0.20	0.020	mg/Kg wet	0.200		101	40-140			
Surrogate: Decachlorobiphenyl	0.212		mg/Kg wet	0.200		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.221		mg/Kg wet	0.200		110	30-150			
Surrogate: Tetrachloro-m-xylene	0.188		mg/Kg wet	0.200		93.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.181		mg/Kg wet	0.200		90.4	30-150			
<b>LCS Dup (B209558-BSD1)</b>										
Prepared: 08/04/18 Analyzed: 08/07/18										
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		93.1	40-140	2.42	30	
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		94.1	40-140	3.69	30	
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		87.8	40-140	1.58	30	
Aroclor-1260 [2C]	0.20	0.020	mg/Kg wet	0.200		98.6	40-140	2.49	30	
Surrogate: Decachlorobiphenyl	0.213		mg/Kg wet	0.200		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.221		mg/Kg wet	0.200		110	30-150			
Surrogate: Tetrachloro-m-xylene	0.185		mg/Kg wet	0.200		92.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.177		mg/Kg wet	0.200		88.5	30-150			

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**QUALITY CONTROL**

**Metals Analyses (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209605 - SW-846 3050B</b>										
<b>Blank (B209605-BLK1)</b>					Prepared: 08/06/18 Analyzed: 08/07/18					
Lead	ND	0.50	mg/Kg wet							
<b>LCS (B209605-BS1)</b>					Prepared: 08/06/18 Analyzed: 08/07/18					
Lead	112	1.5	mg/Kg wet	111		101	83-117.1			
<b>LCS Dup (B209605-BSD1)</b>					Prepared: 08/06/18 Analyzed: 08/07/18					
Lead	116	1.5	mg/Kg wet	111		105	83-117.1	3.58	30	
<b>Duplicate (B209605-DUP1)</b>					<b>Source: 18H0025-01</b> Prepared: 08/06/18 Analyzed: 08/07/18					
Lead	47.5	0.57	mg/Kg dry		39.2			19.0	35	
<b>MRL Check (B209605-MRL1)</b>					Prepared: 08/06/18 Analyzed: 08/07/18					
Lead	0.514	0.48	mg/Kg wet	0.478		108	80-120			
<b>Matrix Spike (B209605-MS1)</b>					<b>Source: 18H0025-01</b> Prepared: 08/06/18 Analyzed: 08/07/18					
Lead	60.9	0.58	mg/Kg dry	19.4	39.2	112	75-125			

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

DUP 21

*SW-846 8082A*

Lab Sample ID: 18H0025-01 Date(s) Analyzed: 08/07/2018 08/07/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.59	
	2	0.000	-0.030	0.030	0.66	11.2

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**DUP 22**

*SW-846 8082A*

Lab Sample ID: 18H0025-02 Date(s) Analyzed: 08/07/2018 08/07/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.96	
	2	0.000	-0.030	0.030	1.0	4.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**DUP 23**

*SW-846 8082A*

Lab Sample ID: 18H0025-03 Date(s) Analyzed: 08/08/2018 08/08/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	6.5	
	2	0.000	-0.030	0.030	7.3	11.6



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

DUP 25

*SW-846 8082A*

Lab Sample ID: 18H0025-05 Date(s) Analyzed: 08/08/2018 08/08/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	5.2	
	2	0.000	-0.030	0.030	5.7	9.2

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

DUP 26

*SW-846 8082A*

Lab Sample ID: 18H0025-06 Date(s) Analyzed: 08/08/2018 08/08/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.0	
	2	0.000	-0.030	0.030	2.2	9.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**DUP 28**

*SW-846 8082A*

Lab Sample ID: 18H0025-08 Date(s) Analyzed: 08/08/2018 08/08/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	4.4	
	2	0.000	-0.030	0.030	4.8	8.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**DUP 29**

*SW-846 8082A*

Lab Sample ID: 18H0025-09 Date(s) Analyzed: 08/08/2018 08/08/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.5	
	2	0.000	-0.030	0.030	2.9	10.9

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS
-----

*SW-846 8082A*

Lab Sample ID:                     B209308-BS1                                          Date(s) Analyzed:           08/03/2018                     08/03/2018          

Instrument ID (1):                     ECD5                                          Instrument ID (2):                     ECD5                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.87	
	2	0.000	0.000	0.000	0.81	7.1
Aroclor-1260	1	0.000	0.000	0.000	0.80	
	2	0.000	0.000	0.000	0.87	8.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

*SW-846 8082A*

Lab Sample ID:                     B209308-BSD1                                          Date(s) Analyzed:           08/03/2018                     08/03/2018          

Instrument ID (1):                     ECD5                                          Instrument ID (2):                     ECD5                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.75	
	2	0.000	0.000	0.000	0.68	9.8
Aroclor-1260	1	0.000	0.000	0.000	0.69	
	2	0.000	0.000	0.000	0.75	8.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS
-----

*SW-846 8082A*

Lab Sample ID:                   B209558-BS1                                        Date(s) Analyzed:           08/07/2018                     08/07/2018          

Instrument ID (1):                   ECD5                                        Instrument ID (2):                   ECD5                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.20	5.1
Aroclor-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.20	10.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

*SW-846 8082A*

Lab Sample ID:                   B209558-BSD1                                        Date(s) Analyzed:           08/07/2018                     08/07/2018          

Instrument ID (1):                   ECD5                                        Instrument ID (2):                   ECD5                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.19	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.20	10.5



---

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
O-32	A dilution was performed as part of the standard analytical procedure.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<b><i>SW-846 6010D in Soil</i></b>	
Lead	CT,NH,NY,AIHA,ME,VA,NC
<b><i>SW-846 8082A in Product/Solid</i></b>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
<b><i>SW-846 8082A in Soil</i></b>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

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The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019



MEK

Weston + Sampson

5 Centennial Dr.

1-800 Sampson

Conning Park

Somerville

Project Manager: JOC SPENCER

Con-Test Quote Name/Number:

Invoice Recipient: Taylor Smith

Sampled By: Taylor Smith

11

Con-Test Work Order	Client Sample ID / Description	Requesting Date/Time	Sampling Date/Time	Composite	Matrix Code	Conc. Code
01	DUP 21				S	V
02	DUP 22				S	V
03	DUP 23				S	V
04	DUP 24				S	V
05	DUP 25				S	V
06	DUP 26				S	V
07	DUP 27				S	V
08	DUP 28				S	V
09	DUP 29				S	V
10	DUP 30				S	V

Comments:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Requisitioned by: (Signature) *[Signature]* Date/Time: 7/31

Received by: (Signature) *[Signature]* Date/Time: 8/18/15

Requisitioned by: (Signature) *[Signature]* Date/Time: 8/18/16

Received by: (Signature) *[Signature]* Date/Time: 8/18/16

Requisitioned by: (Signature) *[Signature]* Date/Time: 8/18/16

Received by: (Signature) *[Signature]* Date/Time: 8/18/16

MA MCP Required  MA MCP Required Form Required   
 CT RCP Required  RCP Certification Form Required   
 MA State DWP Required  PWSID #

Project Entity

Government  Federal  City

Municipality  21 J  Brownfield

MWRA  School  MBTA

WRTA  Other

Chromatogram  AIHA-LAP, LLC

PCB ONLY

Soxhlet  Non Soxhlet

Phone: 413-525-2332  
Fax: 413-525-6405  
Email: info@contestlabs.com  
www.contestlabs.com

**CHAIN OF CUSTODY RECORD**

39 Spruce Street  
East Longmeadow, MA 01028

Company Name: Weston & Sampson  
Address: Perth  
Attention: See Other  
Project Location: Sybil  
Sampled By:

Project #  
Client PO#

DATA DELIVERY (check all that apply)  
 FAX  EMAIL  WEBSITE

Format:  PDF  EXCEL  OGIS  
 OTHER

Project Proposal Provided? (for billing purposes)  
 yes  proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection		Composite	Grab	Date	Time	Matrix Code	Date	Time
		Registering Date/Time	Ending Date/Time							
11	CS-1	7/31	11:20					OL		
12	CS-2		11:00							
13	CS-3		11:30							
14	CS-4		11:40							
15	CS-5		11:45							
16	CS-6		11:50							
17	CS-7		11:55							

ANALYSIS REQUESTED

**\*\*Cont. Code:**  
A=amber glass  
G=glass  
P=plastic  
ST=sterile  
V= vial  
S=summa can  
T=teclar bag  
O=Other

**\*\*Preservation**  
I= iced  
H= HCL  
M= Methanol  
N= Nitric Acid  
S= Sulfuric Acid  
B= Sodium bisulfate  
X= Na hydroxide  
Y= Na thiosulfate  
D= Other

**\*Matrix Code:**  
GW= groundwater  
WW= wastewater  
DW= drinking water  
A= air  
S= soil/solid  
SL= sludge  
O= other (MCP)

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:  
H - High, M - Medium, L - Low, C - Clean, U - Unknown

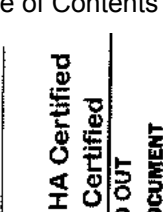
Is your project MCP or RCP?  
 MCP Analytical Certification Form Required  
 RCP Analysis Certification Form Required  
 MA State DW Form Required PWSID #

Detection Limit Requirements  
Massachusetts: 5-1  
Connecticut:  
Other:

Turnaround Time  
 7-Day  
 10-Day  
 Other 3 days  
**RUSH**  
 24-Hr  48-Hr  
 72-Hr  14-Day  
Require lab approval

Relinquished by: (signature) Date/Time: 7/31  
Received by: (signature) Date/Time: 8/1/18 12:15  
Delivered by: (signature) Date/Time: 8/1/18 16:10  
Received by: (signature) Date/Time: 8/1/18 16:10  
Sam Simpson 2.0

TURNAROUND TIME (business days) STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED.



**NELAC & AIHA Certified**  
**WBE/DBE Certified**

NEHA  
NATIONAL ENVIRONMENTAL HEALTH AND SAFETY ASSOCIATION

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT



**con-test**  
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False**

Client W+S

Received By SE Date 8/1/18 Time 1610

How were the samples received? In Cooler T No Cooler        On Ice T No Ice         
 Direct from Sampling        Ambient        Melted Ice       

Were samples within Temperature? 2-6°C T By Gun # 8 Actual Temp - 2.0  
 By Blank #        Actual Temp -       

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A  
 Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T  
 Did COC include all pertinent Information? Client T Analysis T Sampler Name T  
 Project T ID's T Collection Dates/Times F\*

Are Sample labels filled out and legible? F\*\*

Are there Lab to Filters? F Who was notified?         
 Are there Rushes? F Who was notified?         
 Are there Short Holds? F Who was notified?       

Is there enough Volume? T MS/MSD? F  
 Is there Headspace where applicable? N/A Is splitting samples required? F

Proper Media/Containers Used? T On COC? F

Were trip blanks received? F

Do all samples have the proper pH? N/A Acid        Base       

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

**Unused Media**

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

**Comments:**

\* No dates or times on COC. Times on some samples. #11 → 1120 #12 → 1100 #13 → 1130 #14 → 1140  
 #15 → 1145 #16 → 1150 #17 → 1155  
 \*\* Labels only include IDs + times on #11-17



August 8, 2018

Taylor Smith  
Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960

Project Location: Conway Park., Somerville, MA  
Client Job Number:  
Project Number: [none]  
Laboratory Work Order Number: 18H0049

Enclosed are results of analyses for samples received by the laboratory on August 1, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, reading "Meghan E. Kelley". The signature is written in a cursive style with a large, sweeping "y" at the end.

Meghan E. Kelley  
Project Manager



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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 8/8/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18H0049

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-P-8 (3.5-5.5)	18H0049-01	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-P-8 (5.5-7.5)	18H0049-02	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-C-1 (3.5-5.5)	18H0049-03	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-C-1 (5.5-7.5)	18H0049-04	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-A-1 (3.5-5.5)	18H0049-05	Soil		SM 2540G SW-846 6010D SW-846 8082A	
B-A-1 (5.5-7.5)	18H0049-06	Soil		SM 2540G SW-846 6010D SW-846 8082A	

**CASE NARRATIVE SUMMARY**

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 6010, only Pb was requested and reported.

**SW-846 8082A**

**Qualifications:****O-32**

A dilution was performed as part of the standard analytical procedure.

**Analyte & Samples(s) Qualified:**

18H0049-02[B-P-8 (5.5-7.5)], 18H0049-04[B-C-1 (5.5-7.5)], 18H0049-06[B-A-1 (5.5-7.5)]

**S-01**

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**Analyte & Samples(s) Qualified:****Decachlorobiphenyl**

18H0049-05[B-A-1 (3.5-5.5)]

**Decachlorobiphenyl [2C]**

18H0049-05[B-A-1 (3.5-5.5)]

**Tetrachloro-m-xylene**

18H0049-05[B-A-1 (3.5-5.5)]

**Tetrachloro-m-xylene [2C]**

18H0049-05[B-A-1 (3.5-5.5)]

**S-02**

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

**Analyte & Samples(s) Qualified:****Decachlorobiphenyl [2C]**

18H0049-02[B-P-8 (5.5-7.5)], B209393-MS1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington  
Project Manager

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0049

Date Received: 8/1/2018

Field Sample #: B-P-8 (3.5-5.5)

Sampled: 7/24/2018 11:57

Sample ID: 18H0049-01

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 14:25	KAL
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 14:25	KAL
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 14:25	KAL
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 14:25	KAL
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 14:25	KAL
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 14:25	KAL
Aroclor-1260 [1]	0.15	0.086	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 14:25	KAL
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 14:25	KAL
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 14:25	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	96.1		30-150				8/7/18 14:25		
Decachlorobiphenyl [2]	131		30-150				8/7/18 14:25		
Tetrachloro-m-xylene [1]	89.1		30-150				8/7/18 14:25		
Tetrachloro-m-xylene [2]	90.4		30-150				8/7/18 14:25		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0049

Date Received: 8/1/2018

Field Sample #: B-P-8 (3.5-5.5)

Sampled: 7/24/2018 11:57

Sample ID: 18H0049-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	600	0.53	mg/Kg dry	1		SW-846 6010D	8/6/18	8/7/18 16:41	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0049

Date Received: 8/1/2018

Field Sample #: B-P-8 (3.5-5.5)

Sampled: 7/24/2018 11:57

Sample ID: 18H0049-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.7		% Wt	1		SM 2540G	8/7/18	8/8/18 6:53	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0049

Date Received: 8/1/2018

Field Sample #: B-P-8 (5.5-7.5)

Sampled: 7/24/2018 11:58

Sample ID: 18H0049-02

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 14:42	KAL
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 14:42	KAL
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 14:42	KAL
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 14:42	KAL
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 14:42	KAL
Aroclor-1254 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 14:42	KAL
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 14:42	KAL
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 14:42	KAL
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 14:42	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	83.6		30-150			8/7/18 14:42			
<b>Decachlorobiphenyl [2]</b>	<b>334 *</b>		30-150		S-02	8/7/18 14:42			
Tetrachloro-m-xylene [1]	76.3		30-150			8/7/18 14:42			
Tetrachloro-m-xylene [2]	105		30-150			8/7/18 14:42			

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0049

Date Received: 8/1/2018

Field Sample #: B-P-8 (5.5-7.5)

Sampled: 7/24/2018 11:58

Sample ID: 18H0049-02

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	1200	0.58	mg/Kg dry	1		SW-846 6010D	8/6/18	8/7/18 16:48	MJH



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0049

Date Received: 8/1/2018

Field Sample #: B-P-8 (5.5-7.5)

Sampled: 7/24/2018 11:58

Sample ID: 18H0049-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.3		% Wt	1		SM 2540G	8/7/18	8/8/18 6:53	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0049

Date Received: 8/1/2018

Field Sample #: B-C-1 (3.5-5.5)

Sampled: 7/24/2018 09:19

Sample ID: 18H0049-03

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 15:00	KAL
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 15:00	KAL
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 15:00	KAL
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 15:00	KAL
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 15:00	KAL
Aroclor-1254 [1]	0.23	0.091	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 15:00	KAL
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 15:00	KAL
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 15:00	KAL
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 15:00	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		99.3	30-150					8/7/18 15:00	
Decachlorobiphenyl [2]		107	30-150					8/7/18 15:00	
Tetrachloro-m-xylene [1]		95.9	30-150					8/7/18 15:00	
Tetrachloro-m-xylene [2]		99.8	30-150					8/7/18 15:00	

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0049

Date Received: 8/1/2018

Field Sample #: B-C-1 (3.5-5.5)

Sampled: 7/24/2018 09:19

Sample ID: 18H0049-03

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	220	0.56	mg/Kg dry	1		SW-846 6010D	8/6/18	8/7/18 17:05	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0049

Date Received: 8/1/2018

Field Sample #: B-C-1 (3.5-5.5)

Sampled: 7/24/2018 09:19

Sample ID: 18H0049-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.7		% Wt	1		SM 2540G	8/7/18	8/8/18 6:54	CLA

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0049

Date Received: 8/1/2018

Field Sample #: B-C-1 (5.5-7.5)

Sampled: 7/24/2018 09:20

Sample ID: 18H0049-04

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 15:17	KAL
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 15:17	KAL
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 15:17	KAL
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 15:17	KAL
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 15:17	KAL
Aroclor-1254 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 15:17	KAL
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 15:17	KAL
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 15:17	KAL
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 15:17	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		99.3	30-150					8/7/18 15:17	
Decachlorobiphenyl [2]		107	30-150					8/7/18 15:17	
Tetrachloro-m-xylene [1]		94.2	30-150					8/7/18 15:17	
Tetrachloro-m-xylene [2]		96.7	30-150					8/7/18 15:17	

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0049

Date Received: 8/1/2018

Field Sample #: B-C-1 (5.5-7.5)

Sampled: 7/24/2018 09:20

Sample ID: 18H0049-04

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	160	0.56	mg/Kg dry	1		SW-846 6010D	8/6/18	8/7/18 17:11	MJH

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0049

Date Received: 8/1/2018

Field Sample #: B-C-1 (5.5-7.5)

Sampled: 7/24/2018 09:20

Sample ID: 18H0049-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.1		% Wt	1		SM 2540G	8/7/18	8/8/18 6:54	CLA

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0049

Date Received: 8/1/2018

Field Sample #: B-A-1 (3.5-5.5)

Sampled: 7/23/2018 09:30

Sample ID: 18H0049-05

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	8/2/18	8/8/18 5:27	KAL
Aroclor-1221 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	8/2/18	8/8/18 5:27	KAL
Aroclor-1232 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	8/2/18	8/8/18 5:27	KAL
Aroclor-1242 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	8/2/18	8/8/18 5:27	KAL
Aroclor-1248 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	8/2/18	8/8/18 5:27	KAL
Aroclor-1254 [1]	7.4	0.89	mg/Kg dry	40		SW-846 8082A	8/2/18	8/8/18 5:27	KAL
Aroclor-1260 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	8/2/18	8/8/18 5:27	KAL
Aroclor-1262 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	8/2/18	8/8/18 5:27	KAL
Aroclor-1268 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	8/2/18	8/8/18 5:27	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/8/18 5:27	
Decachlorobiphenyl [2]		*	30-150		S-01			8/8/18 5:27	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/8/18 5:27	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/8/18 5:27	



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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0049

Date Received: 8/1/2018

Field Sample #: B-A-1 (3.5-5.5)

Sampled: 7/23/2018 09:30

Sample ID: 18H0049-05

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	430	0.54	mg/Kg dry	1		SW-846 6010D	8/6/18	8/7/18 17:16	MJH

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0049

Date Received: 8/1/2018

Field Sample #: B-A-1 (3.5-5.5)

Sampled: 7/23/2018 09:30

Sample ID: 18H0049-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.8		% Wt	1		SM 2540G	8/7/18	8/8/18 6:54	CLA

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0049

Date Received: 8/1/2018

Field Sample #: B-A-1 (5.5-7.5)

Sampled: 7/23/2018 09:31

Sample ID: 18H0049-06

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 15:53	KAL
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 15:53	KAL
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 15:53	KAL
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 15:53	KAL
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 15:53	KAL
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 15:53	KAL
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 15:53	KAL
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 15:53	KAL
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	8/2/18	8/7/18 15:53	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		99.5	30-150					8/7/18 15:53	
Decachlorobiphenyl [2]		104	30-150					8/7/18 15:53	
Tetrachloro-m-xylene [1]		96.1	30-150					8/7/18 15:53	
Tetrachloro-m-xylene [2]		98.8	30-150					8/7/18 15:53	

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0049

Date Received: 8/1/2018

Field Sample #: B-A-1 (5.5-7.5)

Sampled: 7/23/2018 09:31

Sample ID: 18H0049-06

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	120	0.55	mg/Kg dry	1		SW-846 6010D	8/6/18	8/7/18 17:22	MJH

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0049

Date Received: 8/1/2018

Field Sample #: B-A-1 (5.5-7.5)

Sampled: 7/23/2018 09:31

Sample ID: 18H0049-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.3		% Wt	1		SM 2540G	8/7/18	8/8/18 6:54	CLA

**Sample Extraction Data**

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18H0049-01 [B-P-8 (3.5-5.5)]	B209706	08/07/18
18H0049-02 [B-P-8 (5.5-7.5)]	B209706	08/07/18
18H0049-03 [B-C-1 (3.5-5.5)]	B209706	08/07/18
18H0049-04 [B-C-1 (5.5-7.5)]	B209706	08/07/18
18H0049-05 [B-A-1 (3.5-5.5)]	B209706	08/07/18
18H0049-06 [B-A-1 (5.5-7.5)]	B209706	08/07/18

**Prep Method: SW-846 3050B-SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18H0049-01 [B-P-8 (3.5-5.5)]	B209605	1.52	50.0	08/06/18
18H0049-02 [B-P-8 (5.5-7.5)]	B209605	1.50	50.0	08/06/18
18H0049-03 [B-C-1 (3.5-5.5)]	B209605	1.52	50.0	08/06/18
18H0049-04 [B-C-1 (5.5-7.5)]	B209605	1.53	50.0	08/06/18
18H0049-05 [B-A-1 (3.5-5.5)]	B209605	1.55	50.0	08/06/18
18H0049-06 [B-A-1 (5.5-7.5)]	B209605	1.51	50.0	08/06/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18H0049-01 [B-P-8 (3.5-5.5)]	B209393	10.0	10.0	08/02/18
18H0049-02 [B-P-8 (5.5-7.5)]	B209393	10.0	10.0	08/02/18
18H0049-03 [B-C-1 (3.5-5.5)]	B209393	10.0	10.0	08/02/18
18H0049-04 [B-C-1 (5.5-7.5)]	B209393	10.0	10.0	08/02/18
18H0049-05 [B-A-1 (3.5-5.5)]	B209393	10.0	10.0	08/02/18
18H0049-06 [B-A-1 (5.5-7.5)]	B209393	10.0	10.0	08/02/18

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209393 - SW-846 3540C</b>										
<b>Blank (B209393-BLK1)</b>										
Prepared: 08/02/18 Analyzed: 08/05/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.201		mg/Kg wet	0.200		100	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.207		mg/Kg wet	0.200		104	30-150			
Surrogate: Tetrachloro-m-xylene	0.180		mg/Kg wet	0.200		90.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.173		mg/Kg wet	0.200		86.3	30-150			
<b>LCS (B209393-BS1)</b>										
Prepared: 08/02/18 Analyzed: 08/05/18										
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		95.9	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		96.8	40-140			
Aroclor-1260	0.19	0.020	mg/Kg wet	0.200		93.0	40-140			
Aroclor-1260 [2C]	0.20	0.020	mg/Kg wet	0.200		100	40-140			
Surrogate: Decachlorobiphenyl	0.213		mg/Kg wet	0.200		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.222		mg/Kg wet	0.200		111	30-150			
Surrogate: Tetrachloro-m-xylene	0.184		mg/Kg wet	0.200		92.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.174		mg/Kg wet	0.200		87.0	30-150			
<b>LCS Dup (B209393-BSD1)</b>										
Prepared: 08/02/18 Analyzed: 08/05/18										
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		89.1	40-140	7.41	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		88.2	40-140	9.23	30	
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		78.7	40-140	16.6	30	
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		87.1	40-140	14.1	30	
Surrogate: Decachlorobiphenyl	0.175		mg/Kg wet	0.200		87.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.177		mg/Kg wet	0.200		88.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.171		mg/Kg wet	0.200		85.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.164		mg/Kg wet	0.200		82.1	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209393 - SW-846 3540C</b>										
<b>Matrix Spike (B209393-MS1)</b>		<b>Source: 18H0049-01</b>			Prepared: 08/02/18 Analyzed: 08/07/18					
Aroclor-1016	0.23	0.086	mg/Kg dry	0.216	ND	105	40-140			
Aroclor-1016 [2C]	0.23	0.086	mg/Kg dry	0.216	ND	109	40-140			
Aroclor-1260	0.31	0.086	mg/Kg dry	0.216	0.15	76.0	40-140			
Aroclor-1260 [2C]	0.35	0.086	mg/Kg dry	0.216	0.10	116	40-140			
Surrogate: Decachlorobiphenyl	0.206		mg/Kg dry	0.216		95.6	30-150			
<b>Surrogate: Decachlorobiphenyl [2C]</b>	0.344		mg/Kg dry	0.216		<b>159</b> *	30-150			S-02
Surrogate: Tetrachloro-m-xylene	0.191		mg/Kg dry	0.216		88.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.196		mg/Kg dry	0.216		90.7	30-150			
<b>Matrix Spike Dup (B209393-MSD1)</b>		<b>Source: 18H0049-01</b>			Prepared: 08/02/18 Analyzed: 08/07/18					
Aroclor-1016	0.22	0.086	mg/Kg dry	0.216	ND	102	40-140	3.20	50	
Aroclor-1016 [2C]	0.23	0.086	mg/Kg dry	0.216	ND	106	40-140	2.13	50	
Aroclor-1260	0.30	0.086	mg/Kg dry	0.216	0.15	70.4	40-140	3.92	50	
Aroclor-1260 [2C]	0.34	0.086	mg/Kg dry	0.216	0.10	111	40-140	2.83	50	
Surrogate: Decachlorobiphenyl	0.210		mg/Kg dry	0.216		97.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.299		mg/Kg dry	0.216		138	30-150			
Surrogate: Tetrachloro-m-xylene	0.189		mg/Kg dry	0.216		87.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.191		mg/Kg dry	0.216		88.6	30-150			



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**QUALITY CONTROL**

**Metals Analyses (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209605 - SW-846 3050B</b>										
<b>Blank (B209605-BLK1)</b>					Prepared: 08/06/18 Analyzed: 08/07/18					
Lead	ND	0.50	mg/Kg wet							
<b>LCS (B209605-BS1)</b>					Prepared: 08/06/18 Analyzed: 08/07/18					
Lead	112	1.5	mg/Kg wet	111	101		83-117.1			
<b>LCS Dup (B209605-BSD1)</b>					Prepared: 08/06/18 Analyzed: 08/07/18					
Lead	116	1.5	mg/Kg wet	111	105		83-117.1	3.58	30	
<b>MRL Check (B209605-MRL1)</b>					Prepared: 08/06/18 Analyzed: 08/07/18					
Lead	0.514	0.48	mg/Kg wet	0.478	108		80-120			

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-P-8 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18H0049-01 Date(s) Analyzed: 08/07/2018 08/07/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.15	
	2	0.000	-0.030	0.030	0.10	40.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-C-1 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18H0049-03 Date(s) Analyzed: 08/07/2018 08/07/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.23	
	2	0.000	-0.030	0.030	0.23	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-A-1 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18H0049-05 Date(s) Analyzed: 08/08/2018 08/08/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	7.4	
	2	0.000	-0.030	0.030	7.3	1.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS
-----

*SW-846 8082A*

Lab Sample ID: B209393-BS1 Date(s) Analyzed: 08/05/2018 08/05/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.19	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.20	5.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**LCS Dup**

*SW-846 8082A*

Lab Sample ID:                   B209393-BSD1                                        Date(s) Analyzed:           08/05/2018                     08/05/2018          

Instrument ID (1):                   ECD5                                        Instrument ID (2):                   ECD5                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.18	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.17	6.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**Matrix Spike**

*SW-846 8082A*

Lab Sample ID:                   B209393-MS1                                        Date(s) Analyzed:           08/07/2018                     08/07/2018          

Instrument ID (1):                   ECD 9                                        Instrument ID (2):                   ECD 9                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.23	
	2	0.000	-0.030	0.030	0.23	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.31	
	2	0.000	-0.030	0.030	0.35	12.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**Matrix Spike Dup**

Lab Sample ID:           B209393-MSD1                                Date(s) Analyzed:           08/07/2018                     08/07/2018          

Instrument ID (1):           ECD 9                                                Instrument ID (2):           ECD 9          

GC Column (1):                                      ID:                      (mm)                      GC Column (2):                                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.22	
	2	0.000	-0.030	0.030	0.23	4.4
Aroclor-1260	1	0.000	-0.030	0.030	0.30	
	2	0.000	-0.030	0.030	0.34	12.5



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**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
O-32	A dilution was performed as part of the standard analytical procedure.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<b>SW-846 6010D in Soil</b>	
Lead	CT,NH,NY,AIHA,ME,VA,NC
<b>SW-846 8082A in Soil</b>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019



186-289105  
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39 Spruce Street  
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Company Name: **101064**  
 Address:  
 Phone:  
 Project Name:  
 Project Location:  
 Project Number:  
 Project Manager:  
 Con-Test Quote Name/Number:  
 Invoice Recipient:  
 Sampled By:

Requested Date/Time: 7-Day  10-Day   
 Due Date:  
 Rush Approval Required: 1-Day  3-Day   
 2-Day  4-Day   
 Data Delivery: Format: PDF  EXCEL   
 Other:  
 CLP Like Data Pkg Required:   
 Email To:  
 Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order #	Sample ID	Sample Description	Matrix	Preservation Code	Analysis Requested
B-C-2	05-15	7/24	S	9:16	PCBS (Soxhlet)
B-C-2	15-25	7	S	9:17	Lead
B-C-2	25-35	4	S	9:18	
B-C-2	35-55	11	S	9:19	
B-C-2	55-75	11	S	9:20	
B-C-2	75-95	11	S	9:21	
B-C-2	95-115	11	S	9:22	
B-C-2	115-135	1	S	9:23	
B-C-2	135-155	11	S	9:24	
B-C-2	155-175	11	S	9:25	

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Comments: Samples w/ 10 analyses checked to be held

Relinquished by: (signature) Date/Time: 7/24  
 Received by: (signature) Date/Time: 7/25/10 16:25  
 Relinquished by: (signature) Date/Time: 7/24/10 2:08  
 Received by: (signature) Date/Time: 7/24/10 2:08  
 Relinquished by: (signature) Date/Time: 2.5.3.6  
 Received by: (signature) Date/Time:

Detection Limit Requirements: MA MCP Required  MA MCP Form Required   
 CT RCP Required  CT RCP Form Required   
 Other: MA State DW Required  PWSID #

Project Entity:  Government  Municipality  MBTA  WRTA  Other  Chromatogram  AIMA-LAP, LLC



# of Containers: \_\_\_\_\_  
 Preservation Code: \_\_\_\_\_  
 Container Code: \_\_\_\_\_  
 Matrix Codes:  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)  
 Preservation Codes:  
 I = Iced  
 H = HCl  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)  
 Container Codes:  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)  
 PCB ONLY:  Soxhlet  Mont Soxhlet



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CHAIN OF CUSTODY RECORD

Requested Turnaround Time:  7-Day  10-Day

Due Date: \_\_\_\_\_

Rush Approval Required:  1-Day  3-Day  2-Day  4-Day

Date Picked Up: \_\_\_\_\_

Format:  PDF  EXCEL

Other: \_\_\_\_\_

CLP Like Data Pkg Required:

Email To: \_\_\_\_\_

Fax To #: \_\_\_\_\_

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 18H009  
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 East Longmeadow, MA 01028

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Company Name	Address	Phone	Project Name	Project Location	Project Number	Project Manager	Con-Test Quote Name/Number	Invoice Recipient	Sampled By	Container Code	Matrix Code	Preservation Code	Analysis Requested	Special Requirements	Project Entity	Received by (Signature)	Date/Time	Relinquished by (Signature)	Date/Time
con-test ANALYTICAL LABORATORY			(Dwelling)																
			B-A-2 (0-0.5)														7/24	9:26	
			B-A-2 (0.5-1.5)															9:27	
			B-A-2 (1.5-2.5)															9:28	
			B-A-2 (2.5-3.5)															9:28	
			B-A-2 (3.5-5.5)															9:30	
			B-A-2 (5.5-7.5)															9:31	
			B-A-2 (7.5-9.5)															9:32	
			B-A-2 (9.5-11.5)															9:33	
			B-A-2 (11.5-13.5)															9:34	
			B-A-2 (13.5-15.5)															9:35	
Comments: Samples w/ no analyses checked to be well										Please use the following codes to indicate possible sample concentration within the Conc Code column above: H - High, M - Medium, L - Low, C - Clean, U - Unknown									
Relinquished by: (Signature) _____ Received by: (Signature) _____ Relinquished by: (Signature) _____ Received by: (Signature) _____										Date/Time: 7/24/18 16:16 Date/Time: 7/24/18 20:00 Date/Time: 7/24/18 20:00									
Relinquished by: (Signature) _____ Received by: (Signature) _____										Date/Time: _____ Date/Time: _____									





18009105

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CHAIN OF CUSTODY RECORD

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**Company Name:** [Redacted]  
**Address:** [Redacted]  
**Phone:** [Redacted]  
**Project Name:** [Redacted]  
**Project Location:** [Redacted]  
**Project Number:** [Redacted]  
**Project Manager:** [Redacted]  
**Con-Test Quote Name/Number:** [Redacted]  
**Invoice Recipient:** [Redacted]  
**Sampled By:** [Redacted]

**Requested Turnaround Time:**  
 7-Day  10-Day   
**Due Date:** [Redacted]

**Rush Approval Required:**  
 1-Day  3-Day   
 2-Day  4-Day   
**Data Delivery:**  
 Format: PDF  EXCEL   
 Other: [Redacted]  
 CLP Like Data Pkg Required:   
 Email To: [Redacted]  
 Fax To #: [Redacted]

Con-Test Work Order	Date/Time	Detention Unit/Requirement	Special Requirements
06	7/24 8:49	MA	MA MCP Required
07	" 8:50		MCP Certification Form Required
08	" 8:51	CT	CT RCP Required
	" 9:00		RCP Certification Form Required
	" 9:01		
	" 9:02		
	" 9:03		
	" 9:04		
	" 9:05		
	" 9:30		

**Comments:**  
 Half samples with no checked analysis

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

**Received by: (Signature)** [Signature] **Date/Time:** 7/24/18  
**Relinquished by: (Signature)** [Signature] **Date/Time:** 7/24/18  
**Received by: (Signature)** [Signature] **Date/Time:** 7/24/18  
**Relinquished by: (Signature)** [Signature] **Date/Time:** 7/24/18

**Project Entity:**  
 Government  Municipality  MMRA  WRTA  Other  
 Federal  21 J  School  AIMA-LAP, LLC  
 City  Brownfield  MBTA

**PCB ONLY:**  
 Soxhlet  Non Soxhlet















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CHAIN OF CUSTODY RECORD

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18609605



**Company Name:** [Redacted]  
**Address:** [Redacted]  
**Phone:** [Redacted]  
**Project Name:** [Redacted]  
**Project Location:** [Redacted]  
**Project Number:** [Redacted]  
**Project Manager:** [Redacted]  
**Con-Test Quote Name/Number:** [Redacted]  
**Invoice Recipient:** [Redacted]  
**Sampled By:** [Redacted]

**Requested Turnaround Time:**  
 7-Day  10-Day   
 Due Date: \_\_\_\_\_

**Rush Approval Requested:**  
 1-Day  3-Day   
 2-Day  4-Day

**Data Delivery:**  
 Format: PDF  EXCEL   
 Other: \_\_\_\_\_

CLP Like Data Pkg Required:   
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 Fax To #: \_\_\_\_\_

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Do Not Write Over	7/23	1324	1325	1326	1327	1340	1341	1342	1343	1344	1345
B-R-7 (2.5-3.5)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
B-R-7 (3.5-5.5)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
B-R-7 (5.5-7.5)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
B-R-7 (7.5-9.5)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
B-R-6 (0-0.5)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
B-R-6 (0.5-1.5)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
B-R-6 (1.5-2.5)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
B-R-6 (2.5-3.5)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
B-R-6 (3.5-5.5)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
B-R-6 (5.5-7.5)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

**ANALYSIS REQUESTED**

**Matrix Codes:**  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

**Preservation Codes:**  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

**Container Codes:**  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Surma Canister  
 T = Tedlar Bag  
 O = Other (please define)

**PCB ONLY**  
 Soxhlet  
 Non Soxhlet

**Other:**  
 Chromatogram  
 AIHA-LAP, LLC

**Special Requirements:**  
 MA MCP Required   
 MCP Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 MA State DW Required   
 PMSID # \_\_\_\_\_

**Project Entity:**  
 Government  
 Federal  
 City  
 Municipality  
 21 J  
 Brownfield  
 WRTA  
 MMRA  
 School  
 MBTA

**Relinquished by (signature):** [Signature]  
 Date/Time: 7/24/18

**Received by (signature):** [Signature]  
 Date/Time: 7/24/18 16:35

**Relinquished by (signature):** [Signature]  
 Date/Time: 7/24/18 20:00

**Received by (signature):** [Signature]  
 Date/Time: 7/24/18 20:00

**Comments:**  
 Samples w/ no checked analysis are to be set





1860905  
 Phone: 413-525-2332  
 Fax: 413-525-6405  
 Email: info@contestlabs.com

http://www.contestlabs.com  
 CHAIN OF CUSTODY RECORD  
 Requested Turnaround Time:  
 7-Day  10-Day   
 Due Date:  
 Rush Approval Required   
 1-Day  3-Day   
 2-Day  4-Day   
 Data Delivery:  
 Format: PDF  EXCEL   
 Other:   
 CLP Like Data Pkg Required:   
 Email To:   
 Fax To #:



Company Name: <b>CONWAY</b>		Project Location: <b>CONWAY</b>		Project Number: _____		Project Manager: _____		Con-Test Quote Name/Number: _____		Invoice Recipient: _____		Sampled By: _____		Date/Time: _____		Date/Time: _____		Date/Time: _____		Date/Time: _____	
30		33		34		35		36		37		38		39		40		41		42	
B-S-9 (3.5-5.5)		B-S-4 (5.5-7.5)		B-S-5 (0-0.5)		B-S-5 (0.5-1.5)		B-S-5 (1.5-2.5)		B-S-5 (2.5-3.5)		B-S-5 (3.5-5.5)		B-S-5 (5.5-7.5)		B-R-5 (0-0.5)		B-R-5 (0.5-1.5)		B-R-5 (1.5-2.5)	
7/23		7/24/08 16:15		7/24/08 20:00		7/24/08 20:00		7/24/08 20:00		7/24/08 20:00		7/24/08 20:00		7/24/08 20:00		7/24/08 20:00		7/24/08 20:00		7/24/08 20:00	
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MA		CT		Other		MA		CT													





39 Spruce Street  
 East Longmeadow, MA 01028

http://www.con-testlabs.com

CHAIN OF CUSTODY RECORD

1860905  
 Phone: 413-525-2332  
 Fax: 413-525-6405  
 Email: info@con-testlabs.com



**Requested Turnaround Time:**  
 7-Day  10-Day   
 Due Date: \_\_\_\_\_

**Rush/Approval Required:**  
 1-Day  3-Day   
 2-Day  4-Day   
**Data Delivery:**  
 Format: PDF  EXCEL   
 Other: \_\_\_\_\_

**CLP Like Data Pkg Required:**   
 Email To: \_\_\_\_\_  
 Fax To F: \_\_\_\_\_

**Company Name:** \_\_\_\_\_  
**Address:** \_\_\_\_\_  
**Phone:** \_\_\_\_\_

**Project Name:** Con way  
**Project Location:** \_\_\_\_\_  
**Project Number:** \_\_\_\_\_  
**Project Manager:** \_\_\_\_\_

**Con-Test Quote Name/Number:** \_\_\_\_\_  
**Invoice Recipient:** \_\_\_\_\_  
**Sampled By:** \_\_\_\_\_

**Requested Analysis:**  
 1 Matrix Codes:  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

2 Preservation Codes:  
 I = Iced  
 H = HCl  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

3 Container Codes:  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tediator Bag  
 O = Other (please define)

**PCB ONLY:**  
 Soxhlet  
 Non Soxhlet

**ANALYSIS REQUESTED**

Sample ID	Date/Time	Matrix	Preservation	Container	Analysis Requested	Special Requirements
B-Q-9 (25-9.5)	7/23 9:36	GW	I	A	PCBs (Soxhlet)	MA MCP Required
B-R-11 (0-0.5)	8:30	GW	I	A		MCP Certification Form Required
B-R-11 (0.5-1.5)	8:31	GW	I	A		CT RCP Required
B-R-11 (1.5-2.5)	8:32	GW	I	A		RCP Certification Form Required
B-R-11 (2.5-3.5)	8:33	GW	I	A		MA State DW Required
B-R-11 (3.5-5.5)	8:34	GW	I	A		PA/MSID #
B-R-11 (5.5-7.5)	8:35	GW	I	A		
B-Q-11 (0-0.5)	8:45	GW	I	A		
B-Q-11 (0.5-1.5)	8:46	GW	I	A		
B-Q-11 (1.5-2.5)	8:47	GW	I	A		

**Comments:**  
 Samples w/ no checked analyses to be had

**Relinquished by (Signature):** \_\_\_\_\_  
 Date/Time: 7/24/18

**Received by (Signature):** \_\_\_\_\_  
 Date/Time: 7/24/18

**Relinquished by (Signature):** \_\_\_\_\_  
 Date/Time: 7/24/18

**Received by (Signature):** \_\_\_\_\_  
 Date/Time: 7/24/18

**Relinquished by (Signature):** \_\_\_\_\_  
 Date/Time: 7/24/18

**Received by (Signature):** \_\_\_\_\_  
 Date/Time: 7/24/18

**Project Entity:**  
 Government  Municipality  MWRA  WRTA  
 Federal  21 J  School  
 City  Brownfield  MBTA

**Other:**  
 Chromatogram  
 AIHA-LAP, LLC

**con-test ANALYTICAL LABORATORY**  
 www.con-testlabs.com





18509105  
 http://www.contestlabs.com  
 CHAIN OF CUSTODY RECORD  
 39 Spruce Street  
 East Longmeadow, MA 01028

Page 1 of 1

**Company Name:** [Redacted]  
**Address:** [Redacted]  
**Phone:** [Redacted]  
**Project Name:** COATING  
**Project Location:** [Redacted]  
**Project Number:** [Redacted]  
**Project Manager:** [Redacted]  
**Con-Test Quote Name/Number:** [Redacted]  
**Invoice Recipient:** [Redacted]  
**Sampled By:** [Redacted]

**Requested Turnaround Time:**  
 7-Day  10-Day   
 Rush Approval Required

**Date Delivery:**  
 1-Day  3-Day   
 2-Day  4-Day   
 Format: PDF  EXCEL

**CLP Like Data Pkg Required:**   
**Email To:** [Redacted]  
**Fax To #:** [Redacted]

Con-Test Work Order #	Con-Test Sample ID	Date/Time	Signature	Signature	Date/Time	Signature	Date/Time	Signature	Date/Time	Signature	Signature	Date/Time	Signature	Date/Time	Signature
	B-R-3 (0-0.5)	7/23	[Signature]	[Signature]	7/24	[Signature]	7/24/08	[Signature]	7/24/08	[Signature]	[Signature]	7/24/08	[Signature]	7/24/08	[Signature]
	B-R-3 (0.5-1.5)	"	[Signature]	[Signature]	"	[Signature]	"	[Signature]	"	[Signature]	[Signature]	"	[Signature]	"	[Signature]
	B-R-3 (1.5-2.5)	"	[Signature]	[Signature]	"	[Signature]	"	[Signature]	"	[Signature]	[Signature]	"	[Signature]	"	[Signature]
	B-R-3 (2.5-3.5)	"	[Signature]	[Signature]	"	[Signature]	"	[Signature]	"	[Signature]	[Signature]	"	[Signature]	"	[Signature]
	B-R-3 (3.5-5.5)	"	[Signature]	[Signature]	"	[Signature]	"	[Signature]	"	[Signature]	[Signature]	"	[Signature]	"	[Signature]
	B-R-3 (5.5-7.5)	"	[Signature]	[Signature]	"	[Signature]	"	[Signature]	"	[Signature]	[Signature]	"	[Signature]	"	[Signature]
	B-R-4 (0-0.5)	"	[Signature]	[Signature]	"	[Signature]	"	[Signature]	"	[Signature]	[Signature]	"	[Signature]	"	[Signature]
	B-R-4 (0.5-1.5)	"	[Signature]	[Signature]	"	[Signature]	"	[Signature]	"	[Signature]	[Signature]	"	[Signature]	"	[Signature]
	B-R-4 (1.5-2.5)	"	[Signature]	[Signature]	"	[Signature]	"	[Signature]	"	[Signature]	[Signature]	"	[Signature]	"	[Signature]
	B-R-4 (2.5-3.5)	"	[Signature]	[Signature]	"	[Signature]	"	[Signature]	"	[Signature]	[Signature]	"	[Signature]	"	[Signature]

**Comments:**  
 Samples w/ no checked analyzed to be held

**Relinquished by: (Signature)** [Signature] **Date/Time:** 7/24/08  
**Relinquished by: (Signature)** [Signature] **Date/Time:** 7/24/08  
**Relinquished by: (Signature)** [Signature] **Date/Time:** 7/24/08  
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**Relinquished by: (Signature)** [Signature] **Date/Time:** 7/24/08  
**Relinquished by: (Signature)** [Signature] **Date/Time:** 7/24/08

**Special Requirements:**  
 MA MCP Required   
 MCP Certification Form Requested   
 CT RCP Required   
 RCP Certification Form Requested   
 MA State DW Required   
 PWSID # [Redacted]

**Project Entity:**  
 Government  Municipality  WRTA  Other   
 Federal  21 J  School  Chromatogram   
 City  Brownfield  MBTA  AIHA-LAP, LLC

**Matrix Codes:**  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
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**Preservation Codes:**  
 I = Iced  
 H = HCL  
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 T = Sodium Thiosulfate  
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**Container Codes:**  
 A = Amber Glass  
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 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

**PCB ONLY:**  
 Soxhlet  
 Non Soxhlet





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CHAIN OF CUSTODY RECORD

Doc # 381 Rev 1\_03242017

39 Spruce Street  
East Longmeadow, MA 01028

Page 18 of 19

1860905

Phone: 413-525-2332  
Fax: 413-525-6405  
Email: info@contestlabs.com



Company Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Project Name: (Emergency Park)  
Project Location: \_\_\_\_\_  
Project Number: \_\_\_\_\_  
Project Manager: \_\_\_\_\_  
Con-Test Quote Name/Number: \_\_\_\_\_  
Invoice Recipient: \_\_\_\_\_  
Sampled By: \_\_\_\_\_

Requested Turnaround Time: 7-Day  10-Day   
Due Date: \_\_\_\_\_  
Rush/Approval Required: 1-Day  3-Day   
2-Day  4-Day   
Date Delivered: \_\_\_\_\_  
Format: PDF  EXCEL   
Other: \_\_\_\_\_  
CLP Like Data Pkg Required:   
Email To: \_\_\_\_\_  
Fax To #: \_\_\_\_\_

# of Containers: \_\_\_\_\_  
Preservation Code: \_\_\_\_\_  
Container Code: \_\_\_\_\_  
Disinfectant/Preservative: \_\_\_\_\_  
 Field Filtered  
 Lab to Filter  
On to Biohazard Samples: \_\_\_\_\_  
 Field Filtered  
 Lab to Filter

**1 Matrix Codes:**  
GW = Ground Water  
WW = Waste Water  
DW = Drinking Water  
A = Air  
S = Soil  
SL = Sludge  
SOL = Solid  
O = Other (please define)

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M = Methanol  
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A = Amber Glass  
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ST = Sterile  
V = Vial  
S = Summa Canister  
T = Tedlar Bag  
O = Other (please define)

PCB ONLY  
 Soxhlet  
 Non Soxhlet

ANALYSIS REQUESTED	Requested Turnaround Time	Due Date	1-Day	3-Day	4-Day	Format	Other	CLP Like Data Pkg Required	Email To	Fax To #
PCBS (soxhlet)	7/23	9:36								
	U	9:37								
	"	11:00								
	"	11:01								
	"	11:02								
	"	11:03								
	"	11:04								
	"	11:05								
	"	11:06								
	"	11:07								

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Samples w/ no analyses checked to be held

**Special Requirements**  
MA MCP Required   
MCP Certification Form Required   
CT RCP Required   
RCP Certification Form Required   
MA State DWP Required   
PWSID # \_\_\_\_\_

**Project Entity**  
Government  Municipality  MWRA  Other   
Federal  21 J  School  WRTA   
City  Brownfield  MBTA

**Relinquished by:** (signature) \_\_\_\_\_ Date/Time: 7/24/18  
**Received by:** (signature) \_\_\_\_\_ Date/Time: 7/24/18  
**Relinquished by:** (signature) \_\_\_\_\_ Date/Time: 7/24/18  
**Received by:** (signature) \_\_\_\_\_ Date/Time: 7/24/18







**con-test**  
ANALYTICAL LABORATORY

Doc# 277: Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Wesley & Sampson

Received By RLF Date 7/24/18 Time 2000

How were the samples received? In Cooler T No Cooler \_\_\_\_\_ On Ice T No Ice \_\_\_\_\_  
Direct from Sampling \_\_\_\_\_ Ambient \_\_\_\_\_ Melted Ice \_\_\_\_\_

Were samples within Temperature? 2-6°C T By Gun # 8 Actual Temp - 2.5, 3.6 °C  
By Blank # \_\_\_\_\_ Actual Temp - \_\_\_\_\_

Was Custody Seal Intact? NA Were Samples Tampered with? NA  
Was COC Relinquished? T Does Chain Agree With Samples? \_\_\_\_\_

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent information? Client T Analysis T Sampler Name T  
Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F

Are there Rushes? F

Are there Short Holds? F

Is there enough Volume? T

Is there Headspace where applicable? NA

Proper Media/Containers Used? T

Were trip blanks received? F

Do all samples have the proper pH? \_\_\_\_\_

Who was notified? \_\_\_\_\_

Who was notified? \_\_\_\_\_

Who was notified? \_\_\_\_\_

MS/MSD? F

Is splitting samples required? F

On COC? F

Acid NA Base NA

Vials	#	Containers	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Mech-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

**Unused Media**

Vials	#	Containers	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Mech-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Comments:

missing samples - see attached email

## Meghan Kelley

---

**From:** Smith, Taylor  
**Sent:** Wednesday, August 01, 2018 11:06 AM  
**To:** Meghan Kelley  
**Cc:** Spencer, Joseph; Bhunia, Prasanta  
**Subject:** Releasing Samples

Meghan-

Could we please release the following samples for analysis? Lead and PCBs by Soxhlet for each.

B-P-8 (3.5-5.5)  
B-P-8 (5.5-7.5)  
B-A-1 (3.5-5.5)  
B-A-1 (5.5-7.5)  
B-C-1 (3.5-5.5)  
B-C-1 (5.5-7.5)

Let me know if you have any questions, and thanks!

**Taylor Smith**

ENVIRONMENTAL SCIENTIST  
direct: 978-977-0110 x2222  
cell: 978-854-2413



Weston & Sampson  
5 Centennial Drive | Peabody, MA 01960 (HQ)  
tel: 978-532-1900  
westonandsampson.com

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## MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Con-Test Analytical Laboratory	Project #: 18H0049
Project Location: Conway Park., Somerville, MA	RTN:

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]  
18H0049-01 thru 18H0049-06

Matrices: Soil

**CAM Protocol (check all that below)**

8260 VOC CAM II A ( )	7470/7471 Hg CAM III B ( )	MassDEP VPH CAM IV A ( )	8082 PCB CAM V A (X)	9014 Total Cyanide/PAC CAM VI A ( )	6860 Perchlorate CAM VIII B ( )
8270 SVOC CAM II B ( )	7010 Metals CAM III C ( )	MassDEP VPH CAM IV C ( )	8081 Pesticides CAM V B ( )	7196 Hex Cr CAM VI B ( )	MassDEP APH CAM IX A ( )
6010 Metals CAM III A (X)	6020 Metals CAM III D ( )	MassDEP EPH CAM IV A ( )	8151 Herbicides CAM V C ( )	8330 Explosives CAM VIII A ( )	TO-15 VOC CAM IX B ( )

**Affirmative response to Questions A through F is required for "Presumptive Certainty" status**

<b>A</b>	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>B</b>	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>C</b>	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>D</b>	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>E a</b>	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	<input type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>E b</b>	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	<input type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>F</b>	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all No responses to Questions A through E)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>

**A response to questions G, H and I below is required for "Presumptive Certainty" status**

<b>G</b>	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
----------	---	--

**Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.**

<b>H</b>	Were all QC performance standards specified in the CAM protocol(s) achieved?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>
<b>I</b>	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>

<sup>1</sup>All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

**I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.**

Signature: Lisa Worthington

Position: Project Manager

Printed Name: Lisa A. Worthington

Date: 08/08/18



September 5, 2018

Taylor Smith  
Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960

Project Location: Conway Park., Somerville, MA  
Client Job Number:  
Project Number: [none]  
Laboratory Work Order Number: 18H0057

Enclosed are results of analyses for samples received by the laboratory on August 1, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, reading "Meghan E. Kelley". The signature is written in a cursive style with a large, sweeping flourish at the end.

Meghan E. Kelley  
Project Manager

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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 9/5/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18H0057

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-K-7 (3.5-5.5)	18H0057-01	Soil		SM 2540G SW-846 8082A	
B-K-7 (5.5-7.5)	18H0057-02	Soil		SM 2540G SW-846 8082A	
B-K-5 (3.5-5.5)	18H0057-03	Soil		SM 2540G SW-846 8082A	
B-K-5 (5.5-7.5)	18H0057-04	Soil		SM 2540G SW-846 8082A	

## CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082A

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**Qualifications:****O-32**

A dilution was performed as part of the standard analytical procedure.

**Analyte & Samples(s) Qualified:**

18H0057-02[B-K-7 (5.5-7.5)]

---

**S-02**

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

**Analyte & Samples(s) Qualified:**

**Decachlorobiphenyl [2C]**

18H0057-03[B-K-5 (3.5-5.5)]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington  
Project Manager

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0057

Date Received: 8/1/2018

Field Sample #: B-K-7 (3.5-5.5)

Sampled: 7/24/2018 13:32

Sample ID: 18H0057-01

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/6/18 12:17	KAL
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/6/18 12:17	KAL
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/6/18 12:17	KAL
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/6/18 12:17	KAL
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/6/18 12:17	KAL
Aroclor-1254 [2]	0.35	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/6/18 12:17	KAL
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/6/18 12:17	KAL
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/6/18 12:17	KAL
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	8/2/18	8/6/18 12:17	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		96.6	30-150					8/6/18 12:17	
Decachlorobiphenyl [2]		122	30-150					8/6/18 12:17	
Tetrachloro-m-xylene [1]		85.2	30-150					8/6/18 12:17	
Tetrachloro-m-xylene [2]		78.7	30-150					8/6/18 12:17	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0057

Date Received: 8/1/2018

Field Sample #: B-K-7 (3.5-5.5)

Sampled: 7/24/2018 13:32

Sample ID: 18H0057-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.3		% Wt	1		SM 2540G	8/7/18	8/8/18 6:54	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0057

Date Received: 8/1/2018

Field Sample #: B-K-7 (5.5-7.5)

Sampled: 7/24/2018 13:33

Sample ID: 18H0057-02

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/2/18	8/6/18 12:34	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/2/18	8/6/18 12:34	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/2/18	8/6/18 12:34	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/2/18	8/6/18 12:34	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/2/18	8/6/18 12:34	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/2/18	8/6/18 12:34	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/2/18	8/6/18 12:34	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/2/18	8/6/18 12:34	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	8/2/18	8/6/18 12:34	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		94.3	30-150					8/6/18 12:34	
Decachlorobiphenyl [2]		97.0	30-150					8/6/18 12:34	
Tetrachloro-m-xylene [1]		93.9	30-150					8/6/18 12:34	
Tetrachloro-m-xylene [2]		88.3	30-150					8/6/18 12:34	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0057

Date Received: 8/1/2018

Field Sample #: B-K-7 (5.5-7.5)

Sampled: 7/24/2018 13:33

Sample ID: 18H0057-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	76.8		% Wt	1		SM 2540G	8/7/18	8/8/18 6:54	CLA



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0057

Date Received: 8/1/2018

Field Sample #: B-K-5 (3.5-5.5)

Sampled: 7/24/2018 13:39

Sample ID: 18H0057-03

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/6/18 12:52	KAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/6/18 12:52	KAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/6/18 12:52	KAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/6/18 12:52	KAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/6/18 12:52	KAL
Aroclor-1254 [2]	0.39	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/6/18 12:52	KAL
Aroclor-1260 [2]	0.13	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/6/18 12:52	KAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/6/18 12:52	KAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	8/2/18	8/6/18 12:52	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	120		30-150			8/6/18 12:52			
<b>Decachlorobiphenyl [2]</b>	<b>171 *</b>		30-150		S-02	8/6/18 12:52			
Tetrachloro-m-xylene [1]	80.7		30-150			8/6/18 12:52			
Tetrachloro-m-xylene [2]	73.5		30-150			8/6/18 12:52			

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0057

Date Received: 8/1/2018

Field Sample #: B-K-5 (3.5-5.5)

Sampled: 7/24/2018 13:39

Sample ID: 18H0057-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.2		% Wt	1		SM 2540G	8/7/18	8/8/18 6:54	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0057

Date Received: 8/1/2018

Field Sample #: B-K-5 (5.5-7.5)

Sampled: 7/24/2018 13:40

Sample ID: 18H0057-04

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/2/18	8/6/18 13:10	KAL
Aroclor-1221 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/2/18	8/6/18 13:10	KAL
Aroclor-1232 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/2/18	8/6/18 13:10	KAL
Aroclor-1242 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/2/18	8/6/18 13:10	KAL
Aroclor-1248 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/2/18	8/6/18 13:10	KAL
Aroclor-1254 [2]	0.44	0.096	mg/Kg dry	4		SW-846 8082A	8/2/18	8/6/18 13:10	KAL
Aroclor-1260 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/2/18	8/6/18 13:10	KAL
Aroclor-1262 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/2/18	8/6/18 13:10	KAL
Aroclor-1268 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	8/2/18	8/6/18 13:10	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	114		30-150				8/6/18 13:10		
Decachlorobiphenyl [2]	117		30-150				8/6/18 13:10		
Tetrachloro-m-xylene [1]	91.7		30-150				8/6/18 13:10		
Tetrachloro-m-xylene [2]	86.0		30-150				8/6/18 13:10		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0057

Date Received: 8/1/2018

Field Sample #: B-K-5 (5.5-7.5)

Sampled: 7/24/2018 13:40

Sample ID: 18H0057-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.0		% Wt	1		SM 2540G	8/7/18	8/8/18 6:55	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**Sample Extraction Data****Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18H0057-01 [B-K-7 (3.5-5.5)]	B209706	08/07/18
18H0057-02 [B-K-7 (5.5-7.5)]	B209706	08/07/18
18H0057-03 [B-K-5 (3.5-5.5)]	B209706	08/07/18
18H0057-04 [B-K-5 (5.5-7.5)]	B209706	08/07/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18H0057-01 [B-K-7 (3.5-5.5)]	B209395	10.0	10.0	08/02/18
18H0057-02 [B-K-7 (5.5-7.5)]	B209395	10.0	10.0	08/02/18
18H0057-03 [B-K-5 (3.5-5.5)]	B209395	10.0	10.0	08/02/18
18H0057-04 [B-K-5 (5.5-7.5)]	B209395	10.0	10.0	08/02/18

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209395 - SW-846 3540C</b>										
<b>Blank (B209395-BLK1)</b>										
Prepared: 08/02/18 Analyzed: 08/06/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.203		mg/Kg wet	0.200		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.211		mg/Kg wet	0.200		106	30-150			
Surrogate: Tetrachloro-m-xylene	0.188		mg/Kg wet	0.200		93.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.174		mg/Kg wet	0.200		86.8	30-150			
<b>LCS (B209395-BS1)</b>										
Prepared: 08/02/18 Analyzed: 08/06/18										
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		97.2	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		97.3	40-140			
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		90.2	40-140			
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		97.5	40-140			
Surrogate: Decachlorobiphenyl	0.202		mg/Kg wet	0.200		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.213		mg/Kg wet	0.200		106	30-150			
Surrogate: Tetrachloro-m-xylene	0.194		mg/Kg wet	0.200		97.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.181		mg/Kg wet	0.200		90.3	30-150			
<b>LCS Dup (B209395-BSD1)</b>										
Prepared: 08/02/18 Analyzed: 08/06/18										
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		95.4	40-140	1.86	30	
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		95.9	40-140	1.48	30	
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		90.6	40-140	0.440	30	
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		97.5	40-140	0.0154	30	
Surrogate: Decachlorobiphenyl	0.202		mg/Kg wet	0.200		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.214		mg/Kg wet	0.200		107	30-150			
Surrogate: Tetrachloro-m-xylene	0.187		mg/Kg wet	0.200		93.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.174		mg/Kg wet	0.200		86.8	30-150			

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-K-7 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18H0057-01 Date(s) Analyzed: 08/06/2018 08/06/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.32	
	2	0.000	-0.030	0.030	0.35	9.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B-K-5 (3.5-5.5)**

Lab Sample ID: 18H0057-03 Date(s) Analyzed: 08/06/2018 08/06/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.37	
	2	0.000	-0.030	0.030	0.39	5.3
Aroclor-1260	1	0.000	-0.030	0.030	0.11	
	2	0.000	-0.030	0.030	0.13	16.7



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-K-5 (5.5-7.5)**

*SW-846 8082A*

Lab Sample ID: 18H0057-04 Date(s) Analyzed: 08/06/2018 08/06/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.42	
	2	0.000	-0.030	0.030	0.44	4.7

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**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
O-32	A dilution was performed as part of the standard analytical procedure.
S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<i>SW-846 8082A in Soil</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

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Company Name: **MEK**  
 Address:  
 Phone:  
 Project Name: **CRACK**  
 Project Location:  
 Project Number:  
 Project Manager:  
 Con-Test Quote Name/Number:  
 Invoice Recipient:  
 Sampled By:

Request #	Request Description	Request Date	Request Time	Request Status	Request Location	Request Matrix	Request Method	Request Filter	Request Code	Request Container	Request Preservation	Request Matrix	Request Method	Request Filter	Request Code	Request Container	Request Preservation
1317	B-K-9 (9.5-11.5)	7/25	7:25	S		U											
1318	B-K-9 (11.5-13.5)			S		U											
1328	B-K-7 (0-0.5)			S		U											
1329	B-K-7 (0.5-1.5)			S		U											
1330	B-K-7 (1.5-2.5)			S		U											
1331	D-K-7 (2.5-3.5)			S		U											
1332	B-K-7 (3.5-4.5)			S		U											
1333	B-K-7 (4.5-5.5)			S		U											
1334	B-K-7 (5.5-7.5)			S		U											
1335	B-K-7 (7.5-9.5)			S		U											
1335	B-K-7 (9.5-11.5)			S		U											

ANALYSIS REQUESTED

Matrix Codes:  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

Preservation Codes:  
 I = Iced  
 H = HCl  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

Container Codes:  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Surrima Carister  
 T = Tedlar Bag  
 O = Other (please define)

PCB ONLY  
 Soxhlet  
 Non Soxhlet

Other:  Chromatogram  ALPHA-LAP, LLC

Project Entity:  Government  Municipality  MWRA  WRTA  School  MBTA  
 Federal  21 J  Brownfield

City:  WRTA  MBTA

MA MCP Required   
 MCP Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 MA State DW Required

Special Requirements:  MA MCP Required   
 MCP Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 MA State DW Required

Project Name: **CRACK**  
 Project Location: **CRACK**  
 Project Number: **CRACK**  
 Project Manager: **CRACK**  
 Con-Test Quote Name/Number: **CRACK**  
 Invoice Recipient: **CRACK**  
 Sampled By: **CRACK**

Comments:  
 samples w/ no checked analyses to be held  
 BAKERSVILLE SUPERIOR PRODUCTS RESULT - 8/11/17  
 Relinquished by (signature): **[Signature]** Date/Time: **7/25/17 7:25**  
 Received by (signature): **[Signature]** Date/Time: **7/25/17 16:00**  
 Relinquished by (signature): **[Signature]** Date/Time: **7/25/17 16:45**  
 Received by (signature): **[Signature]** Date/Time: **7/25/17 19:45**  
 Relinquished by (signature): **[Signature]** Date/Time: **7/25/17 19:45**  
 Received by (signature): **[Signature]** Date/Time: **7/25/17 19:45**







Company Name: Conway  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Project Name: \_\_\_\_\_  
Project Location: \_\_\_\_\_  
Project Number: \_\_\_\_\_  
Project Manager: \_\_\_\_\_  
Con-Test Quote Name/Number: \_\_\_\_\_  
Invoice Recipient: \_\_\_\_\_  
Sampled By: \_\_\_\_\_

Sample ID	Date/Time	Requested Turnaround Time	Analysis Requested	Matrix Codes	Preservation Codes	Container Codes
B-0-10 (1.5-2.5)	7/24	1352		GW = Ground Water	I = Ice	A = Amber Glass
B-0-10 (2.5-3.5)		1353		WW = Waste Water	H = HCL	G = Glass
B-0-10 (3.5-5.5)		1354		DW = Drinking Water	M = Methanol	P = Plastic
B-0-10 (5.5-7.5)		1355		A = Air	N = Nitric Acid	ST = Sterile
B-0-10 (7.5-9.5)		1356		S = Soil	S = Sulfuric Acid	V = Vial
B-0-10 (9.5-11.5)		1357		SL = Sludge	B = Sodium Bisulfate	S = Summa Canister
B-0-10 (0-0.5)		1415		SOL = Solid	X = Sodium Hydroxide	T = Tediator Bag
B-0-11 (0.5-1.5)		1416		O = Other (please define)	T = Sodium Thiosulfate	O = Other (please define)
B-0-11 (1.5-2.5)		1417				
B-0-11 (2.5-3.5)		1418				

Special Requirements:  MA MCP Required  
MCP Certification Form Required  
CT RCP Required  
RCP Certification Form Required  
MA State DW Required  
PWSID # \_\_\_\_\_

Detection/Limit Requirements:  MA  CT  Other

Project Entity:  Government  Federal  City  
 Municipality  21 J  Brownfield  
 MNRA  School  MBTA  
 Chromatogram  AIFA-LAP, LLC

PCB ONLY:  Soxhlet  Non Soxhlet

Comments: Samples w/ no checked analyses to be held

Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/25  
Received by: (signature) \_\_\_\_\_ Date/Time: 7/25/18  
Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/25/18  
Received by: (signature) \_\_\_\_\_ Date/Time: 7/25/18  
Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/25/18  
Received by: (signature) \_\_\_\_\_ Date/Time: 7/25/18



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 Requested Turnaround Time

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Company Name: <b>MEK</b> Address: Phone: Project Name: Project Location: Project Number: Project Manager: Con-Test Quote Name/Number: Invoice Recipient: Sampled By:		7-Day <input type="checkbox"/> 10-Day <input type="checkbox"/> Due Date: Rush Approval Required 1-Day <input type="checkbox"/> 3-Day <input type="checkbox"/> 2-Day <input type="checkbox"/> 4-Day <input type="checkbox"/> Format: PDF <input type="checkbox"/> EXCEL <input type="checkbox"/> Other: CLP Like Data Pkg Required: <input type="checkbox"/> Email To: Fax To #:		# of Containers Preservation Code Container Code Dissolved Metals Samples <input type="checkbox"/> Field Filtered <input type="checkbox"/> Lab to Filter Orthophosphate Samples <input type="checkbox"/> Field Filtered <input type="checkbox"/> Lab to Filter	
1 Matrix Codes: GW = Ground Water WW = Waste Water DW = Drinking Water A = Air S = Soil SL = Sludge SOL = Solid O = Other (please define)		2 Preservation Codes: I = Iced H = HCL M = Methanol N = Nitric Acid S = Sulfuric Acid B = Sodium Bisulfate X = Sodium Hydroxide T = Sodium Thioculfate O = Other (please define)		3 Container Codes: A = Amber Glass G = Glass P = Plastic ST = Sterile V = Vial S = Summa Canister T = Tedlar Bag O = Other (please define)	
4 PCB ONLY <input type="checkbox"/> Soxhlet <input type="checkbox"/> Non Soxhlet		ANALYSIS REQUESTED		5 PCB ONLY <input type="checkbox"/> Chromatogram <input type="checkbox"/> AHA-LAP, LLC	
Matrix Code: <b>S</b> Preservation Code: <b>U</b> Container Code: <b>U</b> Analysis Requested: <b>PCBS (Soxhlet)</b>		Date/Time: <b>7/15</b> Date/Time: <b>7/15</b> Date/Time: <b>7/15</b> Date/Time: <b>7/15</b> Date/Time: <b>7/15</b> Date/Time: <b>7/15</b> Date/Time: <b>7/15</b> Date/Time: <b>7/15</b>		Please use the following codes to indicate possible sample concentration within the Conc Code column above: H - High; M - Medium; L - Low; G - Clean; U - Unknown	
Relinquished by: (signature) Received by: (signature) Relinquished by: (signature) Received by: (signature)		Date/Time: <b>7/15</b> Date/Time: <b>7/15</b> Date/Time: <b>7/15</b> Date/Time: <b>7/15</b>		Special Requirements MA MCP Required <input type="checkbox"/> MCP Certification Form Required <input type="checkbox"/> CT RCP Required <input type="checkbox"/> RCP Certification Form Required <input type="checkbox"/> MA State DM Required <input type="checkbox"/> PWSID #	
Comments: <b>Samples w/ no analysis checked to be held</b>		Project Entity <input type="checkbox"/> Government <input type="checkbox"/> Federal <input type="checkbox"/> City <input type="checkbox"/> Municipality <input type="checkbox"/> 21 J <input type="checkbox"/> Brownfield <input type="checkbox"/> MWRA <input type="checkbox"/> School <input type="checkbox"/> MBTA <input type="checkbox"/> WRTA <input type="checkbox"/> AHA-LAP, LLC		con-test ANALYTICAL LABORATORY www.con-testlabs.com	



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**Company Name:** MEK  
**Address:**  
**Phone:** 401-234-5678  
**Project Name:** Company  
**Project Location:**  
**Project Number:**  
**Project Manager:**  
**Com-Test Quote Name/Number:**  
**Invoice Recipient:**  
**Sampled By:**

**Requested Turnaround Time:**  
 7-Day  10-Day   
**Due Date:**  
**Fast-Approval Required:**  
 1-Day  3-Day   
 2-Day  4-Day   
**Data Delivery:**  
 Format: PDF  EXCEL   
 Other:   
 CLP Like Data Pkg Required:   
 Email To:   
 Fax To #:

Sample ID	Location	Matrix	Preservation	Container	Analysis Requested	Special Requirements
B-0-8 (1.5-13.5)	7/24	133	S	U	✓	MA MCP Required
B-0-7 (6-0.5)		1250	L		✓	MCP Certification Form Required
B-0-7 (0.5-1.3)		1251	L		✓	CI RCP Required
B-0-7 (1.5-2.5)		1252	L		✓	RCP Certification Form Required
B-0-7 (2.5-3.5)		1253	L		✓	
B-0-7 (3.5-5.5)		1254	L		✓	
B-0-7 (5.5-7.5)		1255	L		✓	
B-0-7 (7.5-9.5)		1256	L		✓	
B-0-7 (9.5-11.5)		1257	L		✓	
B-0-5 (0-0.5)		1230	L		✓	

**Comments:** Samples w/ no analyses cleared to be held

**Relinquished by (signature):** [Signature] Date/Time: 7/29/02  
**Relinquished by (signature):** [Signature] Date/Time: 7/25/18  
**Relinquished by (signature):** [Signature] Date/Time: 7/25/18  
**Relinquished by (signature):** [Signature] Date/Time: 7/25/18  
**Relinquished by (signature):** [Signature] Date/Time: 7/25/18

**Detection Limit Requirements:** MA  
**Special Requirements:** MA MCP Required  
 MCP Certification Form Required  
 CI RCP Required  
 RCP Certification Form Required  
**MA State DW Required:**   
**PWSID #:**

**Project Entity:**  
 Government  Federal  City   
 Municipality  21 J  Brownfield   
 Other  WRTA  MWRA  School  MBTA   
 Chromatogram  AIMA-LAP, LLC

**PCB ONLY:**  
 Soxhlet  
 Non Soxhlet



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Company Name: <b>MEK</b> Address: _____ Phone: _____ Project Name: <b>CONWAY</b> Project Location: _____ Project Number: _____ Project Manager: _____ Con-Test Quote Name/Number: _____ Invoice Recipient: _____ Sampled By: _____		Requested Turnaround Time: _____ Due Date: _____ Rush Approval Required: _____ 1-Day <input type="checkbox"/> 3-Day <input type="checkbox"/> 2-Day <input type="checkbox"/> 4-Day <input type="checkbox"/> Format: PDF <input type="checkbox"/> EXCEL <input type="checkbox"/> Other: _____ CLP Like Data Plug Required: <input type="checkbox"/> Email To: _____ Fax To #: _____		# of Containers: _____ Preservation Code: _____ Container Code: _____ Dissolved Metals Samples: <input type="radio"/> Field Filtered <input type="radio"/> Lab to Filter Orthophosphate Samples: <input type="radio"/> Field Filtered <input type="radio"/> Lab to Filter	
1 Matrix Codes: GW = Ground Water WW = Waste Water DW = Drinking Water A = Air S = Soil SL = Sludge SOL = Solid O = Other (please define)		2 Preservation Codes: I = Ice H = HCL M = Methanol N = Nitric Acid S = Sulfuric Acid B = Sodium Bisulfate X = Sodium Hydroxide T = Sodium Thiosulfate O = Other (please define)		3 Container Codes: A = Amber Glass G = Glass P = Plastic ST = Sterile V = Vial S = Summa-Canister T = Tedlar Bag O = Other (please define)	
ANALYSIS REQUESTED (Handwritten: PCBs (Soxlet))		Please use the following codes to indicate possible sample concentration within the Conc Code column above: H - High; M - Medium; L - Low; C - Clean; U - Unknown		PCB ONLY <input checked="" type="checkbox"/> Soxhlet <input type="checkbox"/> Non Soxhlet	
Date/Time: 7/25 8:45 Date/Time: 7/25 8:46		Date/Time: 7/25 8:45 Date/Time: 7/25 8:46		Date/Time: 7/25 8:45 Date/Time: 7/25 8:46	
Requisitioned by: (Signature) Received by: (Signature) Requisitioned by: (Signature) Received by: (Signature)		Date/Time: 7/25 8:45 Date/Time: 7/25 8:46		Date/Time: 7/25 8:45 Date/Time: 7/25 8:46	
Comments: Samples w/no checked analyses to be held		Special Requirements: MA MCP Required <input type="checkbox"/> MCP Certification Form Required <input type="checkbox"/> ET RCP Required <input type="checkbox"/> RCP Certification Form Required <input type="checkbox"/> MA State DW Required <input type="checkbox"/> PWSID # _____		Project Entity: <input type="checkbox"/> Government <input type="checkbox"/> Federal <input type="checkbox"/> City <input type="checkbox"/> Municipality <input type="checkbox"/> 21 J <input type="checkbox"/> Brownfield <input type="checkbox"/> MWRA <input type="checkbox"/> School <input type="checkbox"/> MBTA <input type="checkbox"/> WRTA <input type="checkbox"/> Chromatogram <input type="checkbox"/> AIMA-LAP, LLC	



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Page 6 of 18

**Company Name:** MEK  
**Address:**  
**Phone:**  
**Project Name:** Conroy  
**Project Location:**  
**Project Number:**  
**Project Manager:**  
**Con-Test Quote Name/Number:**  
**Invoice Recipient:**  
**Sampled By:**

**Request Turnaround Time:**  
 7-Day  10-Day   
 Due Date:  
**Rush Approval Required:**  
 1-Day  3-Day   
 2-Day  4-Day   
**Data Delivery:**  
 Format: PDF  EXCEL   
 Other:   
 CLP Like Data Pkg Required:   
 Email To:  
 Fax To #:

Con-Test Sample Number	Concentration (ppb)	1/25	8:47	8:48	8:49	8:50	9:20	9:21	9:22	9:23	9:24	9:25
B-M-3 (1.5-2.5)	1/25											
B-M-3 (2.5-3.5)												
B-M-3 (3.5-5.5)												
B-M-3 (5.5-7.5)												
B-M-3 (9-0.5)												
B-M-3 (0.5-1.5)												
B-M-3 (1.5-2.5)												
B-M-3 (2.5-3.5)												
B-M-3 (3.5-5.5)												
B-M-3 (5.5-7.5)												

**Comments:** Samples w/ no checked analyses to be held

**Relinquished by: (signature)** [Signature] **Date/Time:** 7/16/09  
**Received by: (signature)** [Signature] **Date/Time:** 7/20/09  
**Relinquished by: (signature)** [Signature] **Date/Time:** 7/20/09  
**Received by: (signature)** [Signature] **Date/Time:** 7/20/09  
**Relinquished by: (signature)** [Signature] **Date/Time:** 7/20/09  
**Received by: (signature)** [Signature] **Date/Time:** 7/20/09

**Special Requirements:**  
 MA MCP Required   
 RI Certification Form Required   
 CT RCP Required   
 PCP Certification Form Required   
 MA State DW Required   
 PWSID #

**Detection Limit Requirements:**  
 MA  
 CT  
 Other

**Project Entity:**  
 Government  Municipality  MWRA  Other   
 Federal  21 J  School  WRTA   
 City  Brownfield  MBTA  AIMA-LAP, LLC

**PCB ONLY:**  
 Soxhlet   
 Non Soxhlet

**ANALYSIS REQUESTED:**

**1 Matrix Codes:**  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

**2 Preservation Codes:**  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

**3 Container Codes:**  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

**4 of Containers**  
**5 Preservation Code**  
**6 Container Code**

**7 Dissolved Metals Samples:**  
 Field Filtered  
 Lab to Filter

**8 Orthophosphate Samples:**  
 Field Filtered  
 Lab to Filter







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 CHAIN OF CUSTODY RECORD

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 East Longmeadow, MA 01028

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186-1037  
 Phone: 413-525-2332  
 Fax: 413-525-6405  
 Email: info@contestlabs.com



MEK

Company Name: Address: Phone: Project Name: Project Location: Project Number: Project Manager: Con-Test Quote Name/Number: Invoice Recipient: Sampled By:		# of Containers: Preservation Code: Container Code: Dissolved Metals Samples: <input type="radio"/> Field Filtered <input type="radio"/> Lab to Filter Orthophosphate Samples: <input type="radio"/> Field Filtered <input type="radio"/> Lab to Filter	
7-Day <input type="checkbox"/> 10-Day <input type="checkbox"/> Due Date: Push Approval Required: 1-Day <input type="checkbox"/> 3-Day <input type="checkbox"/> 2-Day <input type="checkbox"/> 4-Day <input type="checkbox"/> Format: PDF <input type="checkbox"/> EXCEL <input type="checkbox"/> Other: CLP Like Data Pkg Required: <input type="checkbox"/> Email To: Fax To #:		ANALYSIS REQUESTED	
Retinquinshed by: (signature) Date/Time: 7/25/18 16:00		Special Requirements: MA MCP Required <input type="checkbox"/> MCP Certification Form Required <input type="checkbox"/> CT RCP Required <input type="checkbox"/> RCP Certification Form Required <input type="checkbox"/> MA State DW Required <input type="checkbox"/> PWSID #	
Retinquinshed by: (signature) Date/Time: 7/25/18 16:00		Detection Limit Requirements: H4 CT	
Retinquinshed by: (signature) Date/Time: 7/25/18 19:45		Project Entity: <input type="checkbox"/> Government <input type="checkbox"/> Municipality <input type="checkbox"/> MWRA <input type="checkbox"/> Other <input type="checkbox"/> Federal <input type="checkbox"/> 21 J <input type="checkbox"/> School <input type="checkbox"/> WRTA <input type="checkbox"/> Chromatogram <input type="checkbox"/> City <input type="checkbox"/> Brownfield <input type="checkbox"/> MBTA <input type="checkbox"/> AHA-LAP, LLC	
Retinquinshed by: (signature) Date/Time: 7/25/18 19:45		PCB ONLY <input checked="" type="checkbox"/> Soxhlet <input type="checkbox"/> Non Soxhlet	
Retinquinshed by: (signature) Date/Time: 7/25/18 19:45		1 Matrix Codes: GW = Ground Water WW = Waste Water DW = Drinking Water A = Air S = Soil SL = Sludge SOL = Solid O = Other (please define)	
Retinquinshed by: (signature) Date/Time: 7/25/18 19:45		2 Preservation Codes: I = Iced H = HCL M = Methanol N = Nitric Acid S = Sulfuric Acid B = Sodium Bisulfate X = Sodium Hydroxide T = Sodium Thiosulfate O = Other (please define)	
Retinquinshed by: (signature) Date/Time: 7/25/18 19:45		3 Container Codes: A = Amber Glass G = Glass P = Plastic ST = Sterile V = Vial S = Summa Canister T = Tedlar Bag O = Other (please define)	
Comments: Samples w/ no checked analyses to be held			







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 CHAIN OF CUSTODY RECORD

186-1037  
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 Fax: 413-525-6405  
 Email: info@contestlabs.com



Company Name: **MEK**  
 Address: **CONWAY**  
 Phone:   
 Project Name:   
 Project Location:   
 Project Number:   
 Project Manager:   
 Con-Test Quote Name/Number:   
 Invoice Recipient:   
 Sampled By:   
 Requested Turnaround Time:   
 Due Date:   
 Rush Approval Required:   
 Data Delivery:   
 Format: PDF  EXCEL   
 Other:   
 CLP Like Data Pkg Required:   
 Email To:   
 Fax To #:

Sample ID	Matrix	Concentration	Analysis Requested	Conc Code	Preservation Code	Container Code
B-M-11 (0.5-1.5)	Ground Water	7/25		S	U	
B-M-11 (M.S-2.5)	Ground Water	7/25		S	U	
B-M-11 (2.5-3.5)	Ground Water	7/25		S	U	
B-M-11 (3.5-5.5)	Ground Water	7/25		S	U	
B-M-11 (5.5-7.5)	Ground Water	7/25		S	U	
B-M-11 (7.5-10)	Ground Water	7/25		S	U	
B-M-11 (10-15)	Ground Water	7/25		S	U	
B-M-10 (0-0.5)	Ground Water	7/25		S	U	
B-M-10 (0.5-1.5)	Ground Water	7/25		S	U	
B-M-10 (1.5-2.5)	Ground Water	7/25		S	U	

Comments: **Samples w/ no analyses checked to send**

Special Requirements:   
 MA MCP Required   
 MCP Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 MA State DW Required

Detection Limit Requirements:   
 MA   
 CT   
 Other

Project Entity:   
 Government   
 Federal   
 City   
 Municipality  21 J   
 MBWA   
 School   
 MBTA   
 WRTA   
 Other  Chromatogram  ALPHA-LAP, LLC

PCB ONLY   
 Soxhlet   
 Non Soxhlet





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186-1037  
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Fax: 413-525-6405  
Email: info@contestlabs.com



**CHAIN OF CUSTODY RECORD**

Requester: Turner and Sons

Due Date:  7-Day  10-Day

Rush Approval Required:  1-Day  3-Day   
 2-Day  4-Day

Data Delivery:  PDF  EXCEL  Other: \_\_\_\_\_

CLP Like Data Pkg Required:

Email To: \_\_\_\_\_ Fax To #: \_\_\_\_\_

Company Name: \_\_\_\_\_ Address: \_\_\_\_\_ Phone: \_\_\_\_\_

Project Name: Energy

Project Location: \_\_\_\_\_

Project Number: \_\_\_\_\_

Project Manager: \_\_\_\_\_

Con-Test Quote Name/Number: \_\_\_\_\_

Invoice Recipient: \_\_\_\_\_

Sampled By: \_\_\_\_\_

Comments: Samples w/ no checked analyses to be held

Container #	Preservation Code	Container Code	Matrix Codes	Analysis Requested	Date/Time	Signature	Special Requirements
1			GW = Ground Water WW = Waste Water DW = Drinking Water A = Air S = Soil SL = Sludge SOIL = Solid O = Other (please define)		7/25 11:23	[Signature]	MA MCP Required
2					7/25 11:24	[Signature]	MCP Certification Form Required
3					7/25 11:25	[Signature]	CT RCP Required
4					7/25 11:26	[Signature]	RCP Certification Form Required
5					7/27 11:27	[Signature]	
6					7/27 11:30	[Signature]	
7					7/27 11:31	[Signature]	
8					7/27 11:32	[Signature]	
9					7/27 11:33	[Signature]	
10					7/27 11:34	[Signature]	
11					7/27 11:35	[Signature]	
12					7/27 11:36	[Signature]	

Matrix Codes: GW = Ground Water, WW = Waste Water, DW = Drinking Water, A = Air, S = Soil, SL = Sludge, SOIL = Solid, O = Other (please define)

Preservation Codes: I = Iced, H = HCL, M = Methanol, N = Nitric Acid, S = Sulfuric Acid, B = Sodium Bisulfate, X = Sodium Hydroxide, T = Sodium Thiosulfate, O = Other (please define)

Container Codes: A = Amber Glass, G = Glass, P = Plastic, ST = Sterile, V = Vial, S = Surrima Canister, T = Tedlar Bag, O = Other (please define)

Special Requirements: MA MCP Required, MCP Certification Form Required, CT RCP Required, RCP Certification Form Required, MA State DW Required

Project Entity:  Government  Municipality  MWRA  Other  Wirta  School  MBTA  City  Brownfield  21 J  IAH-LAP, LLC







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CHAIN OF CUSTODY RECORD

39 Spruce Street  
 East Longmeadow, MA 01028

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MEK

Company Name: **MEK**  
 Address: **[Redacted]**  
 Phone: **[Redacted]**  
 Project Name: **CONRADY**  
 Project Location: **[Redacted]**  
 Project Number: **[Redacted]**  
 Project Manager: **[Redacted]**  
 Con-Test Quote Name/Number: **[Redacted]**  
 Invoice Recipient: **[Redacted]**  
 Sampled By: **[Redacted]**

Requested Turnaround Time:  
 7-Day  10-Day   
 Due Date: **[Redacted]**

Analysis Requested:  
 1-Day  3-Day   
 2-Day  4-Day   
 Data Delivery:  
 Format: PDF  EXCEL   
 Other:   
 CLP Like Data Pkg Required:   
 Email To: **[Redacted]**  
 Fax To: **[Redacted]**

Sample ID	Date/Time	Matrix	Analysis Requested	Preservation Codes	Container Codes
B-L-8 (2.5-3.5)	7/25 12:45	S U			
B-L-9 (3.5-5.5)	12:46				
B-L-8 (3.5-7.5)	12:47				
B-L-8 (7.5-9.5)	12:49				
B-L-8 (9.5-11.5)	12:49				
B-K-11 (0-0.5)	13:00				
B-K-11 (0.5-1.5)	13:01				
B-K-11 (1.5-2.5)	13:03				
B-K-11 (2.5-3.5)	13:03				
B-K-11 (3.5-5.5)	13:04				

Comments: **Samples w/ no checked analyses to be held**

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) **[Signature]** Date/Time: **7/25/18**  
 Received by: (signature) **[Signature]** Date/Time: **7/25/18**  
 Relinquished by: (signature) **[Signature]** Date/Time: **7/25/18**  
 Received by: (signature) **[Signature]** Date/Time: **7/25/18**  
 Relinquished by: (signature) **[Signature]** Date/Time: **7/25/18**  
 Received by: (signature) **[Signature]** Date/Time: **7/25/18**

Detection Limits Requirements: MA MCP Required  MA MCP Required   
 MCP Certification Form Required  CI RCP Required   
 RCP Certification Form Required  MA State DW Required

Project Entity:  Government  Municipality  MMRA  WRTA   
 Federal  21J  School  MBTA   
 City  Brownfield  Other  Chromatogram  AIHA-LAP, LLC

PCB ONLY:  Soxhlet  Non Soxhlet



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Fax: 413-525-6405  
Email: info@contestlabs.com



**Requested Turnaround Time**  
 7-Day  10-Day

**Due Date:**

**Rush Approval Required**  
 1-Day  3-Day   
 2-Day  4-Day

**Data Delivery**  
 Format: PDF  EXCEL

**Other:**

CLP Like Data Pkg Required:

Email To: \_\_\_\_\_

Fax To #: \_\_\_\_\_

**Matrix Codes:**  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

**Preservation Codes:**  
 I = Ice  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 T = Sodium Thiosulfate  
 O = Other (please define)

**Container Codes:**  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

**PCB ONLY**  
 Soxhlet  
 Non Soxhlet

**ANALYSIS REQUESTED**

Project Name/Number	Sample ID	Matrix	Preservation	Container	Analysis Requested
B-K-11 (S.S-7.5)	725	S	U		
B-K-11 (7.5-9.5)	1306				
B-K-11 (9.5-11.5)	1307				
B-K-9 (0-0.5)	1310				
B-K-9 (0.5-1.5)	1311				
B-K-9 (1.5-2.5)	1312				
B-K-9 (2.5-3.5)	1313				
B-K-9 (3.5-5.5)	1314				
B-K-9 (5.5-7.5)	1315				
B-K-9 (7.5-9.5)	1316				

**Special Requirements**  
 MA MCP Required   
 MCP Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 MA State DW Required

**Project Entity**  
 Government  Municipality  MWRA  Other   
 Federal  21 J  School  Chromatogram   
 City  Brownfield  MBTA  AHA-LAP, LLC

**Comments:**  
 Samples were checked analyses to be held

**Received by: (Signature)** \_\_\_\_\_ **Date/Time:** 7/25/18 1945

**Relinquished by: (Signature)** \_\_\_\_\_ **Date/Time:** 7/25/18 1945

**Received by: (Signature)** \_\_\_\_\_ **Date/Time:** 7/25/18 1945

**Relinquished by: (Signature)** \_\_\_\_\_ **Date/Time:** 7/25/18 1945

**Received by: (Signature)** \_\_\_\_\_ **Date/Time:** 7/25/18 1945

**Relinquished by: (Signature)** \_\_\_\_\_ **Date/Time:** 7/25/18 1945





Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False**

Client Weston + Sampson

Received By SE Date 7/25/18 Time 1945

How were the samples received? In Cooler T No Cooler        On Ice T No Ice         
 Direct from Sampling        Ambient        Melted Ice       

Were samples within Temperature? 2-6°C T By Gun # 8 Actual Temp - 2.1, 2.4, 3.0  
 By Blank #        Actual Temp -       

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A  
 Was COC Relinquished? T Does Chain Agree With Samples? FFX SE 7/25/18

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T  
 Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified?       

Are there Rushes? F Who was notified?       

Are there Short Holds? F Who was notified?       

Is there enough Volume? T MS/MSD? F

Is there Headspace where applicable? N/A Is splitting samples required? F

Proper Media/Containers Used? T On COC? F

Were trip blanks received? F Acid        Base       

Vial	Container	Media	Other
Unp-	1 Liter Amb.	1 Liter Plastic	16 oz Amb.
HCL-	500 mL Amb.	500 mL Plastic	8oz Amb/Clear
Meoh-	250 mL Amb.	250 mL Plastic	4oz Amb/Clear <u>88</u>
Bisulfate-	Col./Bacteria	Flashpoint	2oz Amb/Clear
DI-	Other Plastic	Other Glass	Encore
Thiosulfate-	SOC Kit	Plastic Bag	Frozen:
Sulfuric-	Perchlorate	Ziplock	

**Unused Media**

Vial	Container	Media	Other
Unp-	1 Liter Amb.	1 Liter Plastic	16 oz Amb.
HCL-	500 mL Amb.	500 mL Plastic	8oz Amb/Clear
Meoh-	250 mL Amb.	250 mL Plastic	4oz Amb/Clear
Bisulfate-	Col./Bacteria	Flashpoint	2oz Amb/Clear
DI-	Other Plastic	Other Glass	Encore
Thiosulfate-	SOC Kit	Plastic Bag	Frozen:
Sulfuric-	Perchlorate	Ziplock	

**Comments:**

\* Samples #53 + 54, labels don't match COC.  
 -53 "B-N-11(7.5-9.5)" on COC, "B-N-10(7.5-9.5)" on sample.  
 -54 "B-N-11(9.5-11.5)" on COC, "B-N-10(9.5-11.5)" on sample. Matched by times + missing containers.

## Meghan Kelley

---

**From:** Smith, Taylor  
**Sent:** Wednesday, August 01, 2018 3:18 PM  
**To:** Meghan Kelley  
**Cc:** Bhunia, Prasanta; Spencer, Joseph  
**Subject:** Releasing more samples

Meghan-

Can we release the following samples for analysis as well?

B-K-5 (3.5-5.5)

B-K-5 (5.5-7.5)

B-K-7 (3.5-5.5)

B-K-7 (5.5-7.5)

Thanks!

**Taylor Smith**

ENVIRONMENTAL SCIENTIST  
direct: 978-977-0110 x2222  
cell: 978-854-2413



Weston & Sampson  
5 Centennial Drive | Peabody, MA 01960 (HQ)  
tel: 978-532-1900  
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August 29, 2018

Taylor Smith  
Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960

Project Location: Conway Park., Somerville, MA  
Client Job Number:  
Project Number: [none]  
Laboratory Work Order Number: 18H0128

Enclosed are results of analyses for samples received by the laboratory on August 2, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, reading "Meghan E. Kelley". The signature is written in a cursive style with a large, sweeping "y" at the end.

Meghan E. Kelley  
Project Manager



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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 8/29/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18H0128

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
DUP 11	18H0128-01	Soil		- SM 2540G SW-846 8082A	
DUP 12	18H0128-02	Soil		- SM 2540G SW-846 8082A	
DUP 13	18H0128-03	Soil		- SM 2540G SW-846 8082A	
DUP 14	18H0128-04	Soil		- SM 2540G SW-846 8082A	
DUP 15	18H0128-05	Soil		- SM 2540G SW-846 8082A	
DUP 16	18H0128-06	Soil		- SM 2540G SW-846 8082A	
DUP 17	18H0128-07	Soil		- SM 2540G SW-846 8082A	
DUP 18	18H0128-08	Soil		- SM 2540G SW-846 8082A	
DUP 19	18H0128-09	Soil		- SM 2540G SW-846 8082A	
DUP 20	18H0128-10	Soil		- SM 2540G SW-846 8082A	

## CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082A

**Qualifications:****S-01**

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**Analyte & Samples(s) Qualified:****Decachlorobiphenyl**

18H0128-01[DUP 11], 18H0128-02[DUP 12], 18H0128-03[DUP 13], 18H0128-04[DUP 14], 18H0128-05[DUP 15], 18H0128-07[DUP 17], 18H0128-08[DUP 18], 18H0128-09[DUP 19], 18H0128-10[DUP 20]

**Decachlorobiphenyl [2C]**

18H0128-01[DUP 11], 18H0128-02[DUP 12], 18H0128-03[DUP 13], 18H0128-04[DUP 14], 18H0128-05[DUP 15], 18H0128-07[DUP 17], 18H0128-08[DUP 18], 18H0128-09[DUP 19], 18H0128-10[DUP 20]

**Tetrachloro-m-xylene**

18H0128-01[DUP 11], 18H0128-02[DUP 12], 18H0128-03[DUP 13], 18H0128-04[DUP 14], 18H0128-05[DUP 15], 18H0128-07[DUP 17], 18H0128-08[DUP 18], 18H0128-09[DUP 19], 18H0128-10[DUP 20]

**Tetrachloro-m-xylene [2C]**

18H0128-01[DUP 11], 18H0128-02[DUP 12], 18H0128-03[DUP 13], 18H0128-04[DUP 14], 18H0128-05[DUP 15], 18H0128-07[DUP 17], 18H0128-08[DUP 18], 18H0128-09[DUP 19], 18H0128-10[DUP 20]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington  
Project Manager

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, M

Sample Description:

Work Order: 18H0128

Date Received: 8/2/2018

Field Sample #: DUP 11

Sampled: 7/27/2018 00:00

Sample ID: 18H0128-01

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/6/18	8/28/18 10:02	KAL
Aroclor-1221 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/6/18	8/28/18 10:02	KAL
Aroclor-1232 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/6/18	8/28/18 10:02	KAL
Aroclor-1242 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/6/18	8/28/18 10:02	KAL
Aroclor-1248 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/6/18	8/28/18 10:02	KAL
Aroclor-1254 [2]	10	1.8	mg/Kg dry	80		SW-846 8082A	8/6/18	8/28/18 10:02	KAL
Aroclor-1260 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/6/18	8/28/18 10:02	KAL
Aroclor-1262 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/6/18	8/28/18 10:02	KAL
Aroclor-1268 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/6/18	8/28/18 10:02	KAL
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	*	30-150			S-01			8/28/18 10:02	
Decachlorobiphenyl [2]	*	30-150			S-01			8/28/18 10:02	
Tetrachloro-m-xylene [1]	*	30-150			S-01			8/28/18 10:02	
Tetrachloro-m-xylene [2]	*	30-150			S-01			8/28/18 10:02	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, M

Sample Description:

Work Order: 18H0128

Date Received: 8/2/2018

Field Sample #: DUP 11

Sampled: 7/27/2018 00:00

Sample ID: 18H0128-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.5		% Wt	1		SM 2540G	8/7/18	8/8/18 6:56	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, M

Sample Description:

Work Order: 18H0128

Date Received: 8/2/2018

Field Sample #: DUP 12

Sampled: 7/27/2018 00:00

Sample ID: 18H0128-02

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	8/6/18	8/28/18 10:20	KAL
Aroclor-1221 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	8/6/18	8/28/18 10:20	KAL
Aroclor-1232 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	8/6/18	8/28/18 10:20	KAL
Aroclor-1242 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	8/6/18	8/28/18 10:20	KAL
Aroclor-1248 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	8/6/18	8/28/18 10:20	KAL
Aroclor-1254 [2]	40	4.7	mg/Kg dry	200		SW-846 8082A	8/6/18	8/28/18 10:20	KAL
Aroclor-1260 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	8/6/18	8/28/18 10:20	KAL
Aroclor-1262 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	8/6/18	8/28/18 10:20	KAL
Aroclor-1268 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	8/6/18	8/28/18 10:20	KAL
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	*	30-150			S-01			8/28/18 10:20	
Decachlorobiphenyl [2]	*	30-150			S-01			8/28/18 10:20	
Tetrachloro-m-xylene [1]	*	30-150			S-01			8/28/18 10:20	
Tetrachloro-m-xylene [2]	*	30-150			S-01			8/28/18 10:20	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, M

Sample Description:

Work Order: 18H0128

Date Received: 8/2/2018

Field Sample #: DUP 12

Sampled: 7/27/2018 00:00

Sample ID: 18H0128-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.3		% Wt	1		SM 2540G	8/7/18	8/8/18 6:56	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, M

Sample Description:

Work Order: 18H0128

Date Received: 8/2/2018

Field Sample #: DUP 13

Sampled: 7/27/2018 00:00

Sample ID: 18H0128-03

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	8/6/18	8/28/18 10:37	KAL
Aroclor-1221 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	8/6/18	8/28/18 10:37	KAL
Aroclor-1232 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	8/6/18	8/28/18 10:37	KAL
Aroclor-1242 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	8/6/18	8/28/18 10:37	KAL
Aroclor-1248 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	8/6/18	8/28/18 10:37	KAL
Aroclor-1254 [2]	12	1.7	mg/Kg dry	80		SW-846 8082A	8/6/18	8/28/18 10:37	KAL
Aroclor-1260 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	8/6/18	8/28/18 10:37	KAL
Aroclor-1262 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	8/6/18	8/28/18 10:37	KAL
Aroclor-1268 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	8/6/18	8/28/18 10:37	KAL
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	*	30-150			S-01			8/28/18 10:37	
Decachlorobiphenyl [2]	*	30-150			S-01			8/28/18 10:37	
Tetrachloro-m-xylene [1]	*	30-150			S-01			8/28/18 10:37	
Tetrachloro-m-xylene [2]	*	30-150			S-01			8/28/18 10:37	



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Project Location: Conway Park., Somerville, M

Sample Description:

Work Order: 18H0128

Date Received: 8/2/2018

Field Sample #: DUP 13

Sampled: 7/27/2018 00:00

Sample ID: 18H0128-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.3		% Wt	1		SM 2540G	8/7/18	8/8/18 6:56	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, M

Sample Description:

Work Order: 18H0128

Date Received: 8/2/2018

Field Sample #: DUP 14

Sampled: 7/27/2018 00:00

Sample ID: 18H0128-04

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	8/6/18	8/28/18 10:54	KAL
Aroclor-1221 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	8/6/18	8/28/18 10:54	KAL
Aroclor-1232 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	8/6/18	8/28/18 10:54	KAL
Aroclor-1242 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	8/6/18	8/28/18 10:54	KAL
Aroclor-1248 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	8/6/18	8/28/18 10:54	KAL
Aroclor-1254 [2]	17	1.7	mg/Kg dry	80		SW-846 8082A	8/6/18	8/28/18 10:54	KAL
Aroclor-1260 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	8/6/18	8/28/18 10:54	KAL
Aroclor-1262 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	8/6/18	8/28/18 10:54	KAL
Aroclor-1268 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	8/6/18	8/28/18 10:54	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/28/18 10:54	
Decachlorobiphenyl [2]		*	30-150		S-01			8/28/18 10:54	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/28/18 10:54	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/28/18 10:54	

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Project Location: Conway Park., Somerville, M

Sample Description:

Work Order: 18H0128

Date Received: 8/2/2018

Field Sample #: DUP 14

Sampled: 7/27/2018 00:00

Sample ID: 18H0128-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.0		% Wt	1		SM 2540G	8/7/18	8/8/18 6:56	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, M

Sample Description:

Work Order: 18H0128

Date Received: 8/2/2018

Field Sample #: DUP 15

Sampled: 7/27/2018 00:00

Sample ID: 18H0128-05

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	8/6/18	8/28/18 11:12	KAL
Aroclor-1221 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	8/6/18	8/28/18 11:12	KAL
Aroclor-1232 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	8/6/18	8/28/18 11:12	KAL
Aroclor-1242 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	8/6/18	8/28/18 11:12	KAL
Aroclor-1248 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	8/6/18	8/28/18 11:12	KAL
Aroclor-1254 [2]	39	4.4	mg/Kg dry	200		SW-846 8082A	8/6/18	8/28/18 11:12	KAL
Aroclor-1260 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	8/6/18	8/28/18 11:12	KAL
Aroclor-1262 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	8/6/18	8/28/18 11:12	KAL
Aroclor-1268 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	8/6/18	8/28/18 11:12	KAL
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	*	30-150			S-01			8/28/18 11:12	
Decachlorobiphenyl [2]	*	30-150			S-01			8/28/18 11:12	
Tetrachloro-m-xylene [1]	*	30-150			S-01			8/28/18 11:12	
Tetrachloro-m-xylene [2]	*	30-150			S-01			8/28/18 11:12	

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Project Location: Conway Park., Somerville, M

Sample Description:

Work Order: 18H0128

Date Received: 8/2/2018

Field Sample #: DUP 15

Sampled: 7/27/2018 00:00

Sample ID: 18H0128-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.4		% Wt	1		SM 2540G	8/7/18	8/8/18 6:57	CLA

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Project Location: Conway Park., Somerville, M

Sample Description:

Work Order: 18H0128

Date Received: 8/2/2018

Field Sample #: DUP 16

Sampled: 7/27/2018 00:00

Sample ID: 18H0128-06

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/6/18	8/28/18 11:29	KAL
Aroclor-1221 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/6/18	8/28/18 11:29	KAL
Aroclor-1232 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/6/18	8/28/18 11:29	KAL
Aroclor-1242 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/6/18	8/28/18 11:29	KAL
Aroclor-1248 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/6/18	8/28/18 11:29	KAL
Aroclor-1254 [2]	2.9	0.44	mg/Kg dry	20		SW-846 8082A	8/6/18	8/28/18 11:29	KAL
Aroclor-1260 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/6/18	8/28/18 11:29	KAL
Aroclor-1262 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/6/18	8/28/18 11:29	KAL
Aroclor-1268 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	8/6/18	8/28/18 11:29	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		103	30-150					8/28/18 11:29	
Decachlorobiphenyl [2]		110	30-150					8/28/18 11:29	
Tetrachloro-m-xylene [1]		93.0	30-150					8/28/18 11:29	
Tetrachloro-m-xylene [2]		106	30-150					8/28/18 11:29	

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Project Location: Conway Park., Somerville, M

Sample Description:

Work Order: 18H0128

Date Received: 8/2/2018

Field Sample #: DUP 16

Sampled: 7/27/2018 00:00

Sample ID: 18H0128-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.3		% Wt	1		SM 2540G	8/7/18	8/8/18 6:57	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, M

Sample Description:

Work Order: 18H0128

Date Received: 8/2/2018

Field Sample #: DUP 17

Sampled: 7/27/2018 00:00

Sample ID: 18H0128-07

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	8/6/18	8/28/18 11:46	KAL
Aroclor-1221 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	8/6/18	8/28/18 11:46	KAL
Aroclor-1232 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	8/6/18	8/28/18 11:46	KAL
Aroclor-1242 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	8/6/18	8/28/18 11:46	KAL
Aroclor-1248 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	8/6/18	8/28/18 11:46	KAL
Aroclor-1254 [2]	6.5	0.89	mg/Kg dry	40		SW-846 8082A	8/6/18	8/28/18 11:46	KAL
Aroclor-1260 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	8/6/18	8/28/18 11:46	KAL
Aroclor-1262 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	8/6/18	8/28/18 11:46	KAL
Aroclor-1268 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	8/6/18	8/28/18 11:46	KAL
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	*	30-150			S-01			8/28/18 11:46	
Decachlorobiphenyl [2]	*	30-150			S-01			8/28/18 11:46	
Tetrachloro-m-xylene [1]	*	30-150			S-01			8/28/18 11:46	
Tetrachloro-m-xylene [2]	*	30-150			S-01			8/28/18 11:46	



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Project Location: Conway Park., Somerville, M

Sample Description:

Work Order: 18H0128

Date Received: 8/2/2018

Field Sample #: DUP 17

Sampled: 7/27/2018 00:00

Sample ID: 18H0128-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.6		% Wt	1		SM 2540G	8/7/18	8/8/18 6:57	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, M

Sample Description:

Work Order: 18H0128

Date Received: 8/2/2018

Field Sample #: DUP 18

Sampled: 7/27/2018 00:00

Sample ID: 18H0128-08

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	450	mg/Kg dry	20000		SW-846 8082A	8/6/18	8/28/18 13:48	KAL
Aroclor-1221 [1]	ND	450	mg/Kg dry	20000		SW-846 8082A	8/6/18	8/28/18 13:48	KAL
Aroclor-1232 [1]	ND	450	mg/Kg dry	20000		SW-846 8082A	8/6/18	8/28/18 13:48	KAL
Aroclor-1242 [1]	ND	450	mg/Kg dry	20000		SW-846 8082A	8/6/18	8/28/18 13:48	KAL
Aroclor-1248 [1]	ND	450	mg/Kg dry	20000		SW-846 8082A	8/6/18	8/28/18 13:48	KAL
Aroclor-1254 [2]	2400	450	mg/Kg dry	20000		SW-846 8082A	8/6/18	8/28/18 13:48	KAL
Aroclor-1260 [1]	ND	450	mg/Kg dry	20000		SW-846 8082A	8/6/18	8/28/18 13:48	KAL
Aroclor-1262 [1]	ND	450	mg/Kg dry	20000		SW-846 8082A	8/6/18	8/28/18 13:48	KAL
Aroclor-1268 [1]	ND	450	mg/Kg dry	20000		SW-846 8082A	8/6/18	8/28/18 13:48	KAL
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	*	30-150			S-01			8/28/18 13:48	
Decachlorobiphenyl [2]	*	30-150			S-01			8/28/18 13:48	
Tetrachloro-m-xylene [1]	*	30-150			S-01			8/28/18 13:48	
Tetrachloro-m-xylene [2]	*	30-150			S-01			8/28/18 13:48	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, M

Sample Description:

Work Order: 18H0128

Date Received: 8/2/2018

Field Sample #: DUP 18

Sampled: 7/27/2018 00:00

Sample ID: 18H0128-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.8		% Wt	1		SM 2540G	8/7/18	8/8/18 6:57	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, M

Sample Description:

Work Order: 18H0128

Date Received: 8/2/2018

Field Sample #: DUP 19

Sampled: 7/27/2018 00:00

Sample ID: 18H0128-09

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	17	mg/Kg dry	800		SW-846 8082A	8/6/18	8/28/18 14:36	KAL
Aroclor-1221 [1]	ND	17	mg/Kg dry	800		SW-846 8082A	8/6/18	8/28/18 14:36	KAL
Aroclor-1232 [1]	ND	17	mg/Kg dry	800		SW-846 8082A	8/6/18	8/28/18 14:36	KAL
Aroclor-1242 [1]	ND	17	mg/Kg dry	800		SW-846 8082A	8/6/18	8/28/18 14:36	KAL
Aroclor-1248 [1]	ND	17	mg/Kg dry	800		SW-846 8082A	8/6/18	8/28/18 14:36	KAL
Aroclor-1254 [2]	130	17	mg/Kg dry	800		SW-846 8082A	8/6/18	8/28/18 14:36	KAL
Aroclor-1260 [1]	ND	17	mg/Kg dry	800		SW-846 8082A	8/6/18	8/28/18 14:36	KAL
Aroclor-1262 [1]	ND	17	mg/Kg dry	800		SW-846 8082A	8/6/18	8/28/18 14:36	KAL
Aroclor-1268 [1]	ND	17	mg/Kg dry	800		SW-846 8082A	8/6/18	8/28/18 14:36	KAL
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	*	30-150			S-01			8/28/18 14:36	
Decachlorobiphenyl [2]	*	30-150			S-01			8/28/18 14:36	
Tetrachloro-m-xylene [1]	*	30-150			S-01			8/28/18 14:36	
Tetrachloro-m-xylene [2]	*	30-150			S-01			8/28/18 14:36	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, M

Sample Description:

Work Order: 18H0128

Date Received: 8/2/2018

Field Sample #: DUP 19

Sampled: 7/27/2018 00:00

Sample ID: 18H0128-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.5		% Wt	1		SM 2540G	8/7/18	8/8/18 6:57	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, M

Sample Description:

Work Order: 18H0128

Date Received: 8/2/2018

Field Sample #: DUP 20

Sampled: 7/27/2018 00:00

Sample ID: 18H0128-10

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.3	mg/Kg dry	200		SW-846 8082A	8/6/18	8/28/18 12:38	KAL
Aroclor-1221 [1]	ND	4.3	mg/Kg dry	200		SW-846 8082A	8/6/18	8/28/18 12:38	KAL
Aroclor-1232 [1]	ND	4.3	mg/Kg dry	200		SW-846 8082A	8/6/18	8/28/18 12:38	KAL
Aroclor-1242 [1]	ND	4.3	mg/Kg dry	200		SW-846 8082A	8/6/18	8/28/18 12:38	KAL
Aroclor-1248 [1]	ND	4.3	mg/Kg dry	200		SW-846 8082A	8/6/18	8/28/18 12:38	KAL
Aroclor-1254 [2]	22	4.3	mg/Kg dry	200		SW-846 8082A	8/6/18	8/28/18 12:38	KAL
Aroclor-1260 [1]	ND	4.3	mg/Kg dry	200		SW-846 8082A	8/6/18	8/28/18 12:38	KAL
Aroclor-1262 [1]	ND	4.3	mg/Kg dry	200		SW-846 8082A	8/6/18	8/28/18 12:38	KAL
Aroclor-1268 [1]	ND	4.3	mg/Kg dry	200		SW-846 8082A	8/6/18	8/28/18 12:38	KAL
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	*	30-150			S-01			8/28/18 12:38	
Decachlorobiphenyl [2]	*	30-150			S-01			8/28/18 12:38	
Tetrachloro-m-xylene [1]	*	30-150			S-01			8/28/18 12:38	
Tetrachloro-m-xylene [2]	*	30-150			S-01			8/28/18 12:38	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, M

Sample Description:

Work Order: 18H0128

Date Received: 8/2/2018

Field Sample #: DUP 20

Sampled: 7/27/2018 00:00

Sample ID: 18H0128-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.0		% Wt	1		SM 2540G	8/7/18	8/8/18 6:57	CLA

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**Sample Extraction Data**

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18H0128-01 [DUP 11]	B209706	08/07/18
18H0128-02 [DUP 12]	B209706	08/07/18
18H0128-03 [DUP 13]	B209706	08/07/18
18H0128-04 [DUP 14]	B209706	08/07/18
18H0128-05 [DUP 15]	B209706	08/07/18
18H0128-06 [DUP 16]	B209706	08/07/18
18H0128-07 [DUP 17]	B209706	08/07/18
18H0128-08 [DUP 18]	B209706	08/07/18
18H0128-09 [DUP 19]	B209706	08/07/18
18H0128-10 [DUP 20]	B209706	08/07/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18H0128-01 [DUP 11]	B209658	10.4	10.0	08/06/18
18H0128-02 [DUP 12]	B209658	10.3	10.0	08/06/18
18H0128-03 [DUP 13]	B209658	10.1	10.0	08/06/18
18H0128-04 [DUP 14]	B209658	10.0	10.0	08/06/18
18H0128-05 [DUP 15]	B209658	10.2	10.0	08/06/18
18H0128-06 [DUP 16]	B209658	10.3	10.0	08/06/18
18H0128-07 [DUP 17]	B209658	10.1	10.0	08/06/18
18H0128-08 [DUP 18]	B209658	10.3	10.0	08/06/18
18H0128-09 [DUP 19]	B209658	10.3	10.0	08/06/18
18H0128-10 [DUP 20]	B209658	10.2	10.0	08/06/18



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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B209658 - SW-846 3540C**

**Blank (B209658-BLK1)**

Prepared: 08/06/18 Analyzed: 08/08/18

Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.183		mg/Kg wet	0.200		91.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.198		mg/Kg wet	0.200		99.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.172		mg/Kg wet	0.200		86.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.181		mg/Kg wet	0.200		90.3	30-150			

**LCS (B209658-BS1)**

Prepared: 08/06/18 Analyzed: 08/08/18

Aroclor-1016	0.20	0.020	mg/Kg wet	0.200		97.6	40-140			
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		85.2	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		79.8	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		79.4	40-140			
Surrogate: Decachlorobiphenyl	0.180		mg/Kg wet	0.200		90.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.196		mg/Kg wet	0.200		98.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.180		mg/Kg wet	0.200		90.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.189		mg/Kg wet	0.200		94.5	30-150			

**LCS Dup (B209658-BSD1)**

Prepared: 08/06/18 Analyzed: 08/08/18

Aroclor-1016	0.20	0.020	mg/Kg wet	0.200		100	40-140	2.89	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		88.1	40-140	3.37	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		86.8	40-140	8.34	30	
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		85.9	40-140	7.83	30	
Surrogate: Decachlorobiphenyl	0.190		mg/Kg wet	0.200		95.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.205		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene	0.165		mg/Kg wet	0.200		82.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.173		mg/Kg wet	0.200		86.4	30-150			

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT**  
*SW-846 8082A*

<b>DUP 11</b>
---------------

Lab Sample ID: 18H0128-01 Date(s) Analyzed 08/28/2018 08/28/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	9.3	
	2	0.000	-0.030	0.030	10	7.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT**  
*SW-846 8082A*

**DUP 12**

Lab Sample ID: 18H0128-02 Date(s) Analyzed 08/28/2018 08/28/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	38	
	2	0.000	-0.030	0.030	40	5.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT**  
*SW-846 8082A*

<b>DUP 13</b>
---------------

Lab Sample ID: 18H0128-03 Date(s) Analyzed 08/28/2018 08/28/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	12	
	2	0.000	-0.030	0.030	12	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT**  
*SW-846 8082A*

<b>DUP 14</b>
---------------

Lab Sample ID: 18H0128-04 Date(s) Analyzed 08/28/2018 08/28/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	16	
	2	0.000	-0.030	0.030	17	6.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT**  
*SW-846 8082A*

<b>DUP 15</b>
---------------

Lab Sample ID: 18H0128-05 Date(s) Analyzed 08/28/2018 08/28/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	36	
	2	0.000	-0.030	0.030	39	8.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT**  
*SW-846 8082A*

<b>DUP 16</b>
---------------

Lab Sample ID: 18H0128-06 Date(s) Analyzed 08/28/2018 08/28/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.7	
	2	0.000	-0.030	0.030	2.9	7.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT**  
*SW-846 8082A*

<b>DUP 17</b>
---------------

Lab Sample ID: 18H0128-07 Date(s) Analyzed 08/28/2018 08/28/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	6.0	
	2	0.000	-0.030	0.030	6.5	8.0



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT**  
*SW-846 8082A*

<b>DUP 18</b>
---------------

Lab Sample ID: 18H0128-08 Date(s) Analyzed 08/28/2018 08/28/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2200	
	2	0.000	-0.030	0.030	2400	8.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT**  
*SW-846 8082A*

<b>DUP 19</b>
---------------

Lab Sample ID: 18H0128-09 Date(s) Analyzed 08/28/2018 08/28/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	120	
	2	0.000	-0.030	0.030	130	8.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT**  
*SW-846 8082A*

<b>DUP 20</b>
---------------

Lab Sample ID: 18H0128-10 Date(s) Analyzed 08/28/2018 08/28/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	21	
	2	0.000	-0.030	0.030	22	4.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT**  
*SW-846 8082A*

<b>LCS</b>
------------

Lab Sample ID:           B209658-BS1                                Date(s) Analyzed           08/08/2018                     08/08/2018          

Instrument ID (1):           ECD4                                                Instrument ID (2):           ECD4          

GC Column (1):                                      ID:                                      (mm)                      GC Column (2):                                      ID:                                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.17	16.2
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.16	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT**  
*SW-846 8082A*

<b>LCS Dup</b>
----------------

Lab Sample ID:                     B209658-BSD1                                          Date(s) Analyzed           08/08/2018                     08/08/2018          

Instrument ID (1):                     ECD4                                          Instrument ID (2):                     ECD4                    

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.18	10.5
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.17	0.0

---

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**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded
	No results have been blank subtracted unless specified in the case narrative section.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<i>SW-846 8082A in Soil</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019







**con-test**  
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False**

Client WESTON & SAMPSON

Received By ESD Date 7-30-18 Time 15:24

How were the samples received? In Cooler T No Cooler \_\_\_\_\_ On Ice T No Ice \_\_\_\_\_  
Direct from Sampling \_\_\_\_\_ Ambient \_\_\_\_\_ Melted Ice \_\_\_\_\_

Were samples within Temperature? 2-6°C T By Gun # 2 Actual Temp - 2.3  
By Blank # \_\_\_\_\_ Actual Temp - \_\_\_\_\_

Was Custody Seal Intact? NA Were Samples Tamped with? NA  
Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T  
Did COC include all pertinent information? Client T Analysis T Sampler Name T  
Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? \_\_\_\_\_

Are there Rushes? F Who was notified? \_\_\_\_\_

Are there Short Holds? F Who was notified? \_\_\_\_\_

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? F

Do all samples have the proper pH? NA Acid \_\_\_\_\_ Base \_\_\_\_\_

Unp-	1 Liter Amb.	1 Liter Plastic	16 oz Amb.
HCL-	500 mL Amb.	500 mL Plastic	8oz Amb/Clear
Mech-	250 mL Amb.	250 mL Plastic	4oz Amb/Clear
Bisulfate-	Col./Bacteria	Flashpoint	2oz Amb/Clear
DI-	Other Plastic	Other Glass <u>(F)</u> <u>XII</u>	Encore
Thiosulfate-	SOC Kit	Plastic Bag	Frozen:
Sulfuric-	Perchlorate	Ziplock	

**Unusual Media**

Unp-	1 Liter Amb.	1 Liter Plastic	16 oz Amb.
HCL-	500 mL Amb.	500 mL Plastic	8oz Amb/Clear
Mech-	250 mL Amb.	250 mL Plastic	4oz Amb/Clear
Bisulfate-	Col./Bacteria	Flashpoint	2oz Amb/Clear
DI-	Other Plastic	Other Glass	Encore
Thiosulfate-	SOC Kit	Plastic Bag	Frozen:
Sulfuric-	Perchlorate	Ziplock	

**Comments:**



August 10, 2018

Taylor Smith  
Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960

Project Location: Conway Park., Somerville, MA  
Client Job Number:  
Project Number: [none]  
Laboratory Work Order Number: 18H0130

Enclosed are results of analyses for samples received by the laboratory on August 2, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Meghan E. Kelley". The signature is written in a cursive style with a large, sweeping flourish at the end.

Meghan E. Kelley  
Project Manager

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Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 8/10/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18H0130

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-N-8 (3.5-5.5)	18H0130-01	Soil		SM 2540G SW-846 8082A	
B-N-8 (5.5-7.5)	18H0130-02	Soil		SM 2540G SW-846 8082A	
B-N-7 (3.5-5.5)	18H0130-03	Soil		SM 2540G SW-846 8082A	
B-N-7 (5.5-7.5)	18H0130-04	Soil		SM 2540G SW-846 8082A	
B-L-9 (3.5-5.5)	18H0130-05	Soil		SM 2540G SW-846 6010D	
B-L-9 (5.5-7.5)	18H0130-06	Soil		SM 2540G SW-846 6010D	

**CASE NARRATIVE SUMMARY**

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 6010, only Pb was requested and reported.

**SW-846 6010D****Qualifications:****M-10**

The reporting limit verification for the AIHA lead program is outside of control limits for this element. Any reported result at or near the detection limit may be biased on the high side.

**Analyte & Samples(s) Qualified:****Lead**

18H0130-05[B-L-9 (3.5-5.5)], 18H0130-06[B-L-9 (5.5-7.5)], B209723-MRL1

**SW-846 8082A****Qualifications:****O-32**

A dilution was performed as part of the standard analytical procedure.

**Analyte & Samples(s) Qualified:**

18H0130-03[B-N-7 (3.5-5.5)], 18H0130-04[B-N-7 (5.5-7.5)]

**S-01**

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**Analyte & Samples(s) Qualified:****Decachlorobiphenyl**

18H0130-01[B-N-8 (3.5-5.5)]

**Decachlorobiphenyl [2C]**

18H0130-01[B-N-8 (3.5-5.5)]

**Tetrachloro-m-xylene**

18H0130-01[B-N-8 (3.5-5.5)]

**Tetrachloro-m-xylene [2C]**

18H0130-01[B-N-8 (3.5-5.5)]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington  
Project Manager

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0130

Date Received: 8/2/2018

Field Sample #: B-N-8 (3.5-5.5)

Sampled: 7/24/2018 11:54

Sample ID: 18H0130-01

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	8/6/18	8/9/18 3:25	JMB
Aroclor-1221 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	8/6/18	8/9/18 3:25	JMB
Aroclor-1232 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	8/6/18	8/9/18 3:25	JMB
Aroclor-1242 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	8/6/18	8/9/18 3:25	JMB
Aroclor-1248 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	8/6/18	8/9/18 3:25	JMB
Aroclor-1254 [2]	6.4	0.88	mg/Kg dry	40		SW-846 8082A	8/6/18	8/9/18 3:25	JMB
Aroclor-1260 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	8/6/18	8/9/18 3:25	JMB
Aroclor-1262 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	8/6/18	8/9/18 3:25	JMB
Aroclor-1268 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	8/6/18	8/9/18 3:25	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/9/18 3:25	
Decachlorobiphenyl [2]		*	30-150		S-01			8/9/18 3:25	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/9/18 3:25	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/9/18 3:25	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0130

Date Received: 8/2/2018

Field Sample #: B-N-8 (3.5-5.5)

Sampled: 7/24/2018 11:54

Sample ID: 18H0130-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.5		% Wt	1		SM 2540G	8/7/18	8/8/18 6:57	CLA



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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0130

Date Received: 8/2/2018

Field Sample #: B-N-8 (5.5-7.5)

Sampled: 7/24/2018 11:55

Sample ID: 18H0130-02

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/8/18 16:12	JMB
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/8/18 16:12	JMB
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/8/18 16:12	JMB
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/8/18 16:12	JMB
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/8/18 16:12	JMB
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/8/18 16:12	JMB
Aroclor-1260 [2]	0.21	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/8/18 16:12	JMB
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/8/18 16:12	JMB
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	8/6/18	8/8/18 16:12	JMB
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	97.7		30-150				8/8/18 16:12		
Decachlorobiphenyl [2]	117		30-150				8/8/18 16:12		
Tetrachloro-m-xylene [1]	92.1		30-150				8/8/18 16:12		
Tetrachloro-m-xylene [2]	86.6		30-150				8/8/18 16:12		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0130

Date Received: 8/2/2018

Field Sample #: B-N-8 (5.5-7.5)

Sampled: 7/24/2018 11:55

Sample ID: 18H0130-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.6		% Wt	1		SM 2540G	8/7/18	8/8/18 6:57	CLA

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0130

Date Received: 8/2/2018

Field Sample #: B-N-7 (3.5-5.5)

Sampled: 7/24/2018 12:10

Sample ID: 18H0130-03

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/6/18	8/8/18 16:30	JMB
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/6/18	8/8/18 16:30	JMB
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/6/18	8/8/18 16:30	JMB
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/6/18	8/8/18 16:30	JMB
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/6/18	8/8/18 16:30	JMB
Aroclor-1254 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/6/18	8/8/18 16:30	JMB
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/6/18	8/8/18 16:30	JMB
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/6/18	8/8/18 16:30	JMB
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	8/6/18	8/8/18 16:30	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		98.5	30-150					8/8/18 16:30	
Decachlorobiphenyl [2]		106	30-150					8/8/18 16:30	
Tetrachloro-m-xylene [1]		97.9	30-150					8/8/18 16:30	
Tetrachloro-m-xylene [2]		94.3	30-150					8/8/18 16:30	

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0130

Date Received: 8/2/2018

Field Sample #: B-N-7 (3.5-5.5)

Sampled: 7/24/2018 12:10

Sample ID: 18H0130-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.8		% Wt	1		SM 2540G	8/7/18	8/8/18 6:58	CLA

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0130

Date Received: 8/2/2018

Field Sample #: B-N-7 (5.5-7.5)

Sampled: 7/24/2018 12:11

Sample ID: 18H0130-04

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/6/18	8/8/18 16:48	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/6/18	8/8/18 16:48	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/6/18	8/8/18 16:48	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/6/18	8/8/18 16:48	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/6/18	8/8/18 16:48	JMB
Aroclor-1254 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/6/18	8/8/18 16:48	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/6/18	8/8/18 16:48	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/6/18	8/8/18 16:48	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	8/6/18	8/8/18 16:48	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		105	30-150					8/8/18 16:48	
Decachlorobiphenyl [2]		107	30-150					8/8/18 16:48	
Tetrachloro-m-xylene [1]		96.1	30-150					8/8/18 16:48	
Tetrachloro-m-xylene [2]		93.4	30-150					8/8/18 16:48	

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0130

Date Received: 8/2/2018

Field Sample #: B-N-7 (5.5-7.5)

Sampled: 7/24/2018 12:11

Sample ID: 18H0130-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.1		% Wt	1		SM 2540G	8/7/18	8/8/18 6:58	CLA

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0130

Date Received: 8/2/2018

Field Sample #: B-L-9 (3.5-5.5)

Sampled: 7/24/2018 12:24

Sample ID: 18H0130-05

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	370	0.55	mg/Kg dry	1	M-10	SW-846 6010D	8/7/18	8/8/18 15:52	MJH

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0130

Date Received: 8/2/2018

Field Sample #: B-L-9 (3.5-5.5)

Sampled: 7/24/2018 12:24

Sample ID: 18H0130-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.2		% Wt	1		SM 2540G	8/7/18	8/8/18 6:58	CLA



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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0130

Date Received: 8/2/2018

Field Sample #: B-L-9 (5.5-7.5)

Sampled: 7/24/2018 12:25

Sample ID: 18H0130-06

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	390	0.60	mg/Kg dry	1	M-10	SW-846 6010D	8/7/18	8/8/18 16:10	MJH

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Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18H0130

Date Received: 8/2/2018

Field Sample #: B-L-9 (5.5-7.5)

Sampled: 7/24/2018 12:25

Sample ID: 18H0130-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.6		% Wt	1		SM 2540G	8/7/18	8/8/18 6:58	CLA

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**Sample Extraction Data**

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18H0130-01 [B-N-8 (3.5-5.5)]	B209706	08/07/18
18H0130-02 [B-N-8 (5.5-7.5)]	B209706	08/07/18
18H0130-03 [B-N-7 (3.5-5.5)]	B209706	08/07/18
18H0130-04 [B-N-7 (5.5-7.5)]	B209706	08/07/18
18H0130-05 [B-L-9 (3.5-5.5)]	B209706	08/07/18
18H0130-06 [B-L-9 (5.5-7.5)]	B209706	08/07/18

**Prep Method: SW-846 3050B-SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18H0130-05 [B-L-9 (3.5-5.5)]	B209723	1.50	50.0	08/07/18
18H0130-06 [B-L-9 (5.5-7.5)]	B209723	1.52	50.0	08/07/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18H0130-01 [B-N-8 (3.5-5.5)]	B209611	10.2	10.0	08/06/18
18H0130-02 [B-N-8 (5.5-7.5)]	B209611	10.2	10.0	08/06/18
18H0130-03 [B-N-7 (3.5-5.5)]	B209611	10.0	10.0	08/06/18
18H0130-04 [B-N-7 (5.5-7.5)]	B209611	10.0	10.0	08/06/18

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209611 - SW-846 3540C</b>										
<b>Blank (B209611-BLK1)</b>										
Prepared: 08/06/18 Analyzed: 08/08/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.215		mg/Kg wet	0.200		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.224		mg/Kg wet	0.200		112	30-150			
Surrogate: Tetrachloro-m-xylene	0.194		mg/Kg wet	0.200		97.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.187		mg/Kg wet	0.200		93.5	30-150			
<b>LCS (B209611-BS1)</b>										
Prepared: 08/06/18 Analyzed: 08/08/18										
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		96.6	40-140			
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		98.2	40-140			
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		91.8	40-140			
Aroclor-1260 [2C]	0.20	0.020	mg/Kg wet	0.200		102	40-140			
Surrogate: Decachlorobiphenyl	0.223		mg/Kg wet	0.200		111	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.233		mg/Kg wet	0.200		116	30-150			
Surrogate: Tetrachloro-m-xylene	0.194		mg/Kg wet	0.200		97.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.186		mg/Kg wet	0.200		93.1	30-150			
<b>LCS Dup (B209611-BSD1)</b>										
Prepared: 08/06/18 Analyzed: 08/08/18										
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		91.3	40-140	5.66	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		91.0	40-140	7.59	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		86.2	40-140	6.27	30	
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		94.5	40-140	8.03	30	
Surrogate: Decachlorobiphenyl	0.202		mg/Kg wet	0.200		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.212		mg/Kg wet	0.200		106	30-150			
Surrogate: Tetrachloro-m-xylene	0.182		mg/Kg wet	0.200		91.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.176		mg/Kg wet	0.200		87.9	30-150			

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**QUALITY CONTROL**

**Metals Analyses (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B209723 - SW-846 3050B</b>										
<b>Blank (B209723-BLK1)</b>					Prepared: 08/07/18 Analyzed: 08/08/18					
Lead	ND	0.49	mg/Kg wet							
<b>LCS (B209723-BS1)</b>					Prepared: 08/07/18 Analyzed: 08/08/18					
Lead	111	1.5	mg/Kg wet	111	100		83-117.1			
<b>LCS Dup (B209723-BSD1)</b>					Prepared: 08/07/18 Analyzed: 08/08/18					
Lead	108	1.5	mg/Kg wet	111	97.7		83-117.1	2.70	30	
<b>MRL Check (B209723-MRL1)</b>					Prepared: 08/07/18 Analyzed: 08/08/18					
Lead	0.610	0.49	mg/Kg wet	0.485		126 *	80-120			M-10

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-N-8 (3.5-5.5)**

*SW-846 8082A*

Lab Sample ID: 18H0130-01 Date(s) Analyzed: 08/09/2018 08/09/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	5.9	
	2	0.000	-0.030	0.030	6.4	8.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B-N-8 (5.5-7.5)**

*SW-846 8082A*

Lab Sample ID: 18H0130-02 Date(s) Analyzed: 08/08/2018 08/08/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.21	10.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

<b>LCS</b>
------------

*SW-846 8082A*

Lab Sample ID:                   B209611-BS1                                        Date(s) Analyzed:           08/08/2018                     08/08/2018          

Instrument ID (1):                   ECD5                                        Instrument ID (2):                   ECD5                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.20	5.1
Aroclor-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.20	10.5



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

*SW-846 8082A*

Lab Sample ID:                   B209611-BSD1                                        Date(s) Analyzed:           08/08/2018                     08/08/2018          

Instrument ID (1):                   ECD5                                        Instrument ID (2):                   ECD5                  

GC Column (1):                      ID:                      (mm)                      GC Column (2):                      ID:                      (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.18	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.19	11.1

---

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
M-10	The reporting limit verification for the AIHA lead program is outside of control limits for this element. Any reported result at or near the detection limit may be biased on the high side.
O-32	A dilution was performed as part of the standard analytical procedure.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<b>SW-846 6010D in Soil</b>	
Lead	CT,NH,NY,AIHA,ME,VA,NC
<b>SW-846 8082A in Soil</b>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019



Doc # 381 Rev 1\_03242017

1861037  
 CHAIN OF CUSTODY RECORD  
 39 Spruce Street  
 East Longmeadow, MA 01028

Page 13 of 18

1861037  
 Phone: 413-525-2337  
 Fax: 413-525-6405  
 Email: info@contestlabs.com



Company Name: CONWAY  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Project Name: \_\_\_\_\_  
 Project Location: \_\_\_\_\_  
 Project Number: \_\_\_\_\_  
 Project Manager: \_\_\_\_\_  
 Con-Test Quote Name/Number: \_\_\_\_\_  
 Invoice Recipient: \_\_\_\_\_  
 Sampled By: \_\_\_\_\_

Requested Turnaround Time:  7-Day  10-Day   
 Due Date: \_\_\_\_\_

RUSH Approval Required:  1-Day  3-Day   
 2-Day  4-Day

Data Delivery:  PDF  EXCEL   
 Other: \_\_\_\_\_

CLP Like Data File Required:   
 Email To: \_\_\_\_\_  
 Fax To #: \_\_\_\_\_

Sample ID	Sample Description	Collection Date	Time	Analysis Requested	Matrix Code	Preservation Code	Container Code	# of Containers
B-N-8 (9.5-11.5)		7/25	11:57					
B-N-7 (0.0-0.5)			12:06					
B-N-7 (0.5-1.5)			12:07					
B-N-7 (1.5-2.5)			12:08					
B-N-7 (2.5-3.5)			12:09					
B-N-7 (3.5-5.5)			12:10					
B-N-7 (5.5-7.5)			12:11					
B-N-7 (7.5-9.5)			12:12					
B-N-7 (9.5-11.5)			12:20					
B-L-9 (0-0.5)								

ANALYSIS REQUESTED: PCBs/SOX/MTA

Matrix Codes:  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

Preservation Codes:  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

Container Codes:  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

PCB ONLY:  
 Soxhlet  
 Non Soxhlet

Special Requirements:  
 MA MCP Required   
 MCP Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 MA State DM Required   
 PWSID #: \_\_\_\_\_

Project Entity:  
 Government  Municipality  MWRA  WRTA  
 Federal  21 J  School  
 City  Brownfield  META

Other:  
 Chromatogram  
 AIHA-LAP, LLC

Comments:  
 Samples w/no analyses checked to be held

Relinquished by: (signature) Date/Time: 7/25/07 7:45 AM  
 Received by: (signature) Date/Time: 7/25/07 10:07 AM  
 Relinquished by: (signature) Date/Time: 7/25/07 1:45 PM  
 Received by: (signature) Date/Time: 7/25/07 3:00 PM  
 Relinquished by: (signature) Date/Time: \_\_\_\_\_  
 Received by: (signature) Date/Time: \_\_\_\_\_



39 Spruce Street  
 East Longmeadow, MA 01028

http://www.contestlabs.com  
 CHAIN OF CUSTODY RECORD

18651037 MD  
 Phone: 413-525-2337  
 Fax: 413-525-6405  
 Email: info@contestlabs.com



Requested Turnaround Time:  7-Day  10-Day

Due Date: \_\_\_\_\_

Fast-Approval Required:  1-Day  3-Day

2-Day  4-Day

Date Delivery: \_\_\_\_\_

Format:  PDF  EXCEL

Other: \_\_\_\_\_

CLP Like Data Pkg Required:

Email To: \_\_\_\_\_

Fax To #: \_\_\_\_\_

Sample ID	Location	Matrix	Analysis Requested	Preservation Code	Container Code
B-L4 (0.5-1.5)	775	Soil	XX		
B-L9 (1.5-2.5)		Soil	XX		
B-L9 (2.5-3.5)		Soil	XX		
B-L9 (3.5-5.5)		Soil	XX		
B-L9 (5.5-7.5)		Soil	XX		
B-L9 (7.5-9.5)		Soil	XX		
B-L9 (9.5-11.5)		Soil	XX		
B-L-8 (0-0.5)		Soil	XX		
B-L-8 (0.5-1.5)		Soil	XX		
B-L-8 (1.5-2.5)		Soil	XX		

Matrix Codes:  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

Preservation Codes:  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

Container Codes:  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

PEB ONLY  
 Soxhlet  
 Non Soxhlet

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

MA MCP Required

MCP Certification Form Required

CT RCP Required

RCP Certification Form Required

MA State DW Required

PWSID # \_\_\_\_\_

Project Entity:  
 Government  
 Federal  
 City  
 Municipality  
 21 J  
 Brownfield  
 MWRA  
 School  
 MBTA  
 WRTA  
 Chromatogram  
 ATHA-LAP, LLC  
 Other \_\_\_\_\_

con-test ANALYTICAL LABORATORY  
 www.con-testlabs.com

Samples w/ no analysis checked to be held

Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/25/18

Received by: (signature) \_\_\_\_\_ Date/Time: 7/25/18

Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/25/18

Received by: (signature) \_\_\_\_\_ Date/Time: 7/25/18

Relinquished by: (signature) \_\_\_\_\_ Date/Time: 7/25/18

Received by: (signature) \_\_\_\_\_ Date/Time: 7/25/18

186-1037  
 Phone: 413-525-2332  
 Fax: 413-525-6405  
 Email: info@contestlabs.com



39 Spruce Street  
 East Longmeadow, MA 01028

Page 5 of 12

Company Name: <b>MEK</b> Address: Phone: Project Name: <b>CPMetry</b> Project Location: Project Number: Project Manager: Con-Test Quote Name/Number: Invoice Recipient: Sampled By:		Requested Turnaround Time: 7-Day <input type="checkbox"/> 10-Day <input type="checkbox"/> Due Date: Rush Approval Required: 1-Day <input type="checkbox"/> 3-Day <input type="checkbox"/> 2-Day <input type="checkbox"/> 4-Day <input type="checkbox"/> Data Delivery: Format: PDF <input type="checkbox"/> EXCEL <input type="checkbox"/> Other: CLP Like Data Pkg Required <input type="checkbox"/> Email To: Fax To #:		# of Containers Preservation Code Container Code Dissolved Metals Samples: <input type="checkbox"/> Field Filtered <input type="checkbox"/> Lab to Filter Orthophosphate Samples: <input type="checkbox"/> Field Filtered <input type="checkbox"/> Lab to Filter	
1 Matrix Codes: GW = Ground Water WW = Waste Water DW = Drinking Water A = Air S = Soil SL = Sludge SOL = Solid O = Other (please define)		2 Preservation Codes: I = Iced H = HCL M = Methanol N = Nitric Acid S = Sulfuric Acid B = Sodium Bisulfate X = Sodium Hydroxide T = Sodium Thiocyanate O = Other (please define)		3 Container Codes: A = Amber Glass G = Glass P = Plastic ST = Sterile V = Vial S = Summa Canister T = Tedlar Bag O = Other (please define)	
ANALYSIS REQUESTED		PCBs (Sox/ht)		S U	
7/25	12:45				
	12:46				
	12:47				
	12:48				
	12:49				
	13:00				
	13:01				
	13:03				
	13:03				
	13:04				
Comments: <b>Samples w/ no checked analyses to be held</b>					
Relinquished by: (signature) Date/Time: <b>7/25/18</b>		Detection Limit Requirements: MA <input type="checkbox"/> MA MCP Required <input type="checkbox"/> MCP Certification Form Required <input type="checkbox"/> CT <input type="checkbox"/> CT RCP Required <input type="checkbox"/> RCP Certification Form Required <input type="checkbox"/> MA State DW Required <input type="checkbox"/> PWSID #		Special Requirements: Municipality <input type="checkbox"/> WRTA <input type="checkbox"/> MWRA <input type="checkbox"/> School <input type="checkbox"/> Federal <input type="checkbox"/> 21 J <input type="checkbox"/> City <input type="checkbox"/> Brownfield <input type="checkbox"/> MBTA <input type="checkbox"/> Other <input type="checkbox"/>	
Received by: (signature) Date/Time: <b>7/25/18</b>		Received by: (signature) Date/Time: <b>7/25/18 14:45</b>		Received by: (signature) Date/Time: <b>7/25/18 19:45</b>	
Relinquished by: (signature)		Relinquished by: (signature)		Relinquished by: (signature)	
Received by: (signature)		Received by: (signature)		Received by: (signature)	

1861037  
 Phone: 413-525-2332  
 Fax: 413-525-6405  
 Email: info@contestlabs.com



MEK

Company Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Project Name: \_\_\_\_\_  
 Project Location: \_\_\_\_\_  
 Project Number: \_\_\_\_\_  
 Project Manager: \_\_\_\_\_  
 Con-Test Quote Name/Number: \_\_\_\_\_  
 Invoice Recipient: \_\_\_\_\_  
 Sampled By: \_\_\_\_\_

Requested Turnaround Time:  
 7-Day  10-Day  Due Date: \_\_\_\_\_  
 1-Day  3-Day  Rush Approval Required  
 2-Day  4-Day   
 Format:  PDF  EXCEL  Data Delivery  
 Other: \_\_\_\_\_  
 CLP Like Data Pkg Required:   
 Email To: \_\_\_\_\_  
 Fax To #: \_\_\_\_\_

Con-Test Worksheet	Project Name	Project Location	Project Number	Project Manager	Con-Test Quote Name/Number	Invoice Recipient	Sampled By	Matrix Code	Preservation Code	Container Code	Analysis Requested
71	B-K-11	(5.5-7.5)	7/25					S			
72	B-K-11	(7.5-9.5)						V			
73	B-K-11	(9.5-11.5)									
	B-K-9	(0-0.5)									
	B-K-9	(0.5-1.5)									
	B-K-9	(1.5-2.5)									
	B-K-9	(2.5-3.5)									
	B-K-9	(3.5-5.5)									
	B-K-9	(5.5-7.5)									
	B-K-9	(7.5-9.5)									

Comments: *Samples w/ no checked ranges to be held*

Relinquished by (Signature): \_\_\_\_\_ Date/Time: 7/25/18  
 Received by (Signature): \_\_\_\_\_ Date/Time: 7/25/18  
 Relinquished by (Signature): \_\_\_\_\_ Date/Time: 7/25/18  
 Received by (Signature): \_\_\_\_\_ Date/Time: 7/25/18  
 Relinquished by (Signature): \_\_\_\_\_ Date/Time: 7/25/18  
 Received by (Signature): \_\_\_\_\_ Date/Time: 7/25/18

Special Requirements:  
 MA MCP Required   
 MCP Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 MA State DW Required   
 PWSID # \_\_\_\_\_

Project Entity:  
 Government  Municipality  WRTA  Other  
 Federal  21 J  School  Chromatogram  
 City  Brownfield  MBTA  AHA-LAP, LLC

PCB ONLY  
 Soxhlet  Non Soxhlet





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39 Spruce Street  
East Longmeadow, MA 01028

Page 17 of 18

186-1037  
Phone: 413-525-2332  
Fax: 413-525-6405  
Email: info@contestlabs.com



Company Name: MEK  
 Address: CONLEY  
 Phone: 725 1317  
 Project Name: CONLEY  
 Project Location:  
 Project Number:  
 Project Manager:  
 Con-Test Quote Name/Number:  
 Invoice Recipient:  
 Sampled By:

Requested Turnaround Time	Due Date	1-Day	3-Day	4-Day	10-Day	Request for Approval Required	1-Day	3-Day	4-Day	10-Day	Request for Approval Required	Requested Turnaround Time	Due Date	1-Day	3-Day	4-Day	10-Day	Request for Approval Required	
B-K-9 (9.5-11.5)	7/25																		
B-K-9 (11.5-13.5)	7/25																		
B-K-7 (0-0.5)	7/25																		
B-K-7 (0.5-1.5)	7/25																		
B-K-7 (1.5-2.5)	7/25																		
B-K-7 (2.5-3.5)	7/25																		
B-K-7 (3.5-4.5)	7/25																		
B-K-7 (4.5-7.5)	7/25																		
B-K-7 (7.5-9.5)	7/25																		
B-K-7 (9.5-11.5)	7/25																		

Requested Turnaround Time: 10-Day  
 Due Date: 7/25  
 Rush Approval Required: 1-Day  
 Data Delivery: PDF EXCEL  
 Other: CLP Like Data Pkg Required:  
 Email To: 725 1317  
 Fax To #:

Matrix Codes:  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

Preservation Codes:  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiocyanate  
 O = Other (please define)

Container Codes:  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Teflon Bag  
 O = Other (please define)

Special Requirements:  
 MA MCP Required   
 MCP Certification Form Required   
 CT MCP Required   
 RCP Certification Form Required   
 MR State DW Required   
 PMSID #

Detection Limit Requirements:  
 MA   
 CT   
 Other

Project Entity:  
 Government   
 Federal   
 City   
 Municipality   
 21 J   
 Brownfield   
 MWRA   
 School   
 MBTA   
 WRTA   
 Chromatogram   
 AIMA-LAP, LLC   
 Other

Comments:  
 Samples w/ no checked analyses to be held

Relinquished by (signature): [Signature] Date/Time: 7/25/18 16:02  
 Received by (signature): [Signature] Date/Time: 7/25/18 16:09  
 Relinquished by (signature): [Signature] Date/Time: 7/25/18 16:45  
 Received by (signature): [Signature] Date/Time: 7/25/18 19:45  
 Relinquished by (signature): [Signature] Date/Time: 7/25/18 19:45  
 Received by (signature): [Signature] Date/Time: 7/25/18 19:45







**con-test**  
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Weston + Sampson

Received By SE Date 7/25/18 Time 1945

How were the samples received? In Cooler T No Cooler \_\_\_\_\_ On Ice T No Ice \_\_\_\_\_  
Direct from Sampling \_\_\_\_\_ Ambient \_\_\_\_\_ Melted Ice \_\_\_\_\_

Were samples within Temperature? 2-6°C T By Gun # 8 Actual Temp -2.1, 2.4, 3.0  
By Blank # \_\_\_\_\_ Actual Temp \_\_\_\_\_

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A  
Was COC Relinquished? T Does Chain Agree With Samples? FFX *SE 7/25/18*

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent information? Client T Analysis T Sampler Name T  
Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F

Are there Rushes? F

Are there Short Holds? F

Is there enough Volume? T

Is there Headspace where applicable? N/A

Proper Media/Containers Used? T

Were trip blanks received? F

Do all samples have the proper pH? N/A

Who was notified? \_\_\_\_\_

Who was notified? \_\_\_\_\_

Who was notified? \_\_\_\_\_

MS/MSD? F

Is splitting samples required? F

On COC? F

Acid \_\_\_\_\_ Base \_\_\_\_\_

Vials	Containers	Media	Other
Unp-	1 Liter Amb.	1 Liter Plastic	16 oz Amb.
HCL-	500 mL Amb.	500 mL Plastic	8oz Amb/Clear
Mech-	250 mL Amb.	250 mL Plastic	4oz Amb/Clear
Bisulfate-	Col./Bacteria	Flashpoint	2oz Amb/Clear
DI-	Other Plastic	Other Glass	Encore
Thiosulfate-	SOC Kit	Plastic Bag	Frozen:
Sulfuric-	Perchlorate	Ziplock	

Unused Media

Vials	Containers	Media	Other
Unp-	1 Liter Amb.	1 Liter Plastic	16 oz Amb.
HCL-	500 mL Amb.	500 mL Plastic	8oz Amb/Clear
Mech-	250 mL Amb.	250 mL Plastic	4oz Amb/Clear
Bisulfate-	Col./Bacteria	Flashpoint	2oz Amb/Clear
DI-	Other Plastic	Other Glass	Encore
Thiosulfate-	SOC Kit	Plastic Bag	Frozen:
Sulfuric-	Perchlorate	Ziplock	

Comments:

\* Samples #53 + 54, labels don't match COC.  
-53 "B-N-11(7.5-9.5)" on COC, "B-N-10(7.5-9.5)" on sample.  
-54 "B-N-11(9.5-11.5)" on COC, "B-N-10(9.5-11.5)" on sample. Matched by times + missing containers.





**Company Name:** MEK  
**Address:**  
**Phone:**  
**Project Name:** Conway  
**Project Location:**  
**Project Number:**  
**Project Manager:**  
**Con-Test Quote Name/Number:**  
**Invoice Recipient:**  
**Sampled By:**

**Requested Turnaround Time:** 7-Day  10-Day   
**Due Date:**  
**Rush Approval Required:** 1-Day  3-Day  2-Day  4-Day   
**Data Delivery:** Format: PDF  EXCEL   
Other:   
C/LP Like Data Pkg Required:   
Email To:   
Fax To #:

Con-Test Sample ID	Client Sample ID	Request Date	Analysis Requested	Matrix Code	Preservation Code	Container Code	# of Containers
B-0-10 (1.S-2.S)	7/24	1352					
B-0-10 (2.S-2.S)		1353					
B-0-10 (3.S-3.S)		1354					
B-0-10 (5.S-7.S)		1355					
B-0-10 (9.S-9.S)		1356					
B-0-10 (9.S-11.S)		1357					
B-0-11 (0-0.S)		1415					
B-0-11 (0.S-1.S)		1416					
B-0-11 (1.S-2.S)		1417					
B-0-11 (2.S-3.S)		1418					

**Special Requirements:** MA MCP Required  MA MCP Form Required   
CT RCP Required  RCP Certification Form Required   
MA State DW Required  PWSID #

**Project Entity:** Government  Federal  City   
Municipality  21 J  Brownfield   
MMRA  School  MBTA   
WRTA  Chromatogram  ALPHA-LAP, LLC

**Relinquished by (signature):** [Signature] Date/Time: 7/25/08  
**Received by (signature):** [Signature] Date/Time: 7/25/08  
**Relinquished by (signature):** [Signature] Date/Time: 7/25/08  
**Received by (signature):** [Signature] Date/Time: 7/25/08  
**Relinquished by (signature):** [Signature] Date/Time: 7/25/08  
**Received by (signature):** [Signature] Date/Time: 7/25/08

**Comments:** Samples w/ no checked analyses to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
H - High; M - Medium; L - Low; C - Clean; U - Unknown

**con-test ANALYTICAL LABORATORY**  
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Doc # 381 Rev 1\_03242017

CHAIN OF CUSTODY RECORD

39 Spruce Street  
East Longmeadow, MA 01028

Page 4 of 12

186-1037  
Phone: 413-525-2332  
Fax: 413-525-6405  
Email: info@contestlabs.com



Company Name: **MEK**  
 Address: **[Redacted]**  
 Phone: **[Redacted]**  
 Project Name: **COMING**  
 Project Location: **[Redacted]**  
 Project Number: **[Redacted]**  
 Project Manager: **[Redacted]**  
 Con-Test Quote Name/Number: **[Redacted]**  
 Invoice Recipient: **[Redacted]**  
 Sampled By: **[Redacted]**

# of Containers: **[Redacted]**  
 Preservation Code: **[Redacted]**  
 Container Code: **[Redacted]**  
 Dissolved Metals Samples:  
 Field Filtered  
 Lab to Filter  
 Organic/Aqueous Samples:  
 Field Filtered  
 Lab to Filter

**1 Matrix Codes:**  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

**2 Preservation Codes:**  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Trisulfate  
 O = Other (please define)

**3 Container Codes:**  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

ANALYSIS REQUESTED

Requested Turnaround Time	7-Day <input type="checkbox"/>	10-Day <input type="checkbox"/>
Rush Approval Required	1-Day <input type="checkbox"/>	3-Day <input type="checkbox"/>
Date Delivery	2-Day <input type="checkbox"/>	4-Day <input type="checkbox"/>
Format: POF <input type="checkbox"/> EXCEL <input type="checkbox"/>		
Other: <input type="checkbox"/>		
CLP Like Data Pkg Required: <input type="checkbox"/>		
Email To: <b>[Redacted]</b>		
Fax To #: <b>[Redacted]</b>		

Con-Test Work Order #	Sample ID	Location	Matrix	Preservation	Container	Analysis Requested	Requested Turnaround Time	Due Date	Signature	Date/Time
15	B-0-8 (1.5-13.5)							7/24/13		
	B-0-7 (6-0.5)							1250		
	B-0-7 (0.5-1.5)							1251		
	B-0-7 (1.5-2.5)							1252		
	B-0-7 (2.5-3.5)							1253		
	B-0-7 (3.5-5.5)							1254		
	B-0-7 (5.5-7.5)							1255		
	B-0-7 (7.5-9.5)							1256		
	B-0-7 (9.5-11.5)							1257		
	B-0-5 (0-0.5)							1230		

Comments: Samples w/ no analyses checked to be held

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by (signature): **[Signature]** Date/Time: **7/29/13**  
 Relinquished by (signature): **[Signature]** Date/Time: **7/25/18**  
 Relinquished by (signature): **[Signature]** Date/Time: **7/25/18**  
 Relinquished by (signature): **[Signature]** Date/Time: **7/25/18**  
 Relinquished by (signature): **[Signature]** Date/Time: **7/25/18**  
 Relinquished by (signature): **[Signature]** Date/Time: **7/25/18**



Project Entity:  
 Government  
 Federal  
 City  
 Municipality  
 21 J  
 Brownfield  
 WRTA  
 Chromatogram  
 AIMA-LAP, LLC









186-1037  
 Phone: 413-525-2332  
 Fax: 413-525-6405  
 Email: info@contestlabs.com

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 39 Spruce Street  
 East Longmeadow, MA 01028

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Company Name: Con-Test  
 Address: 39 Spruce Street, East Longmeadow, MA 01028  
 Phone: 413-525-2332  
 Project Name: MEK  
 Project Location: Con-Test  
 Project Number: 7/25/18  
 Project Manager: [Signature]  
 Con-Test Quote Name/Number: 7/25/18  
 Invoice Recipient: [Signature]  
 Sampled By: [Signature]

Requested Turnaround Time  
 7-Day  10-Day   
 Due Date: 7/25/18

Rush Approval Required  
 1-Day  3-Day   
 2-Day  4-Day

Data Delivery  
 Format: PDF  EXCEL   
 Other:

CLP Like Data Pkg Required:   
 Email To: [Signature]  
 Fax To #:

ANALYSIS REQUESTED

PCBS (Soxhlet)	✓	9:35	7/25	B-M-S (0-0.5)
Lead	✓	9:36		B-M-S (0.5-1.5)
	✓	9:37		B-M-S (1.5-2.5)
	✓	9:38		B-M-S (2.5-3.5)
	✓	9:39		B-M-S (3.5-5.5)
	✓	9:40		B-M-S (5.5-7.5)
	✓	8:50		B-M-7 (0-0.5)
	✓	8:51		B-M-7 (0.5-1.5)
	✓	8:52		B-M-7 (1.5-2.5)
	✓	8:53		B-M-7 (2.5-3.5)

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

samples w/ no inhaled analyses

Relinquished by: (signature) [Signature] Date/Time: 7/25/18 18:00  
 Recognized by: (signature) [Signature] Date/Time: 7/25/18 18:00  
 Relinquished by: (signature) [Signature] Date/Time: 7/25/18 18:05  
 Received by: (signature) [Signature] Date/Time: 7/25/18 19:45  
 Relinquished by: (signature) [Signature] Date/Time: 7/25/18 19:45  
 Received by: (signature) [Signature] Date/Time: 7/25/18 19:45

Special Requirements: MA MCP Required   
 MCP Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 MA State DW Required   
 PWSID #

Detection Limit Requirements: MA   
 CT   
 Other

Project Entity: Government  Federal  City   
 Municipality: 21 J  Brownfield   
 MWRA  School  MBTA   
 WRTA   
 Other: Chromatogram  AIRA-LRP, LLC

# of Containers: 1  
 Preservation Code: 1  
 Container Code: 1  
 Dissolved Metals Samples:  
 Field Filtered  
 Lab to Filter  
 Orthophosphate Samples:  
 Field Filtered  
 Lab to Filter

Matrix Codes:  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

Preservation Codes:  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

Container Codes:  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Tedlar Bag  
 O = Other (please define)

FCB ONLY  
 Soxhlet  
 Non Soxhlet







186-1037  
 Phone: 413-525-2332  
 Fax: 413-525-6405  
 Email: info@con-testlabs.com

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 39 Spruce Street  
 East Longmeadow, MA 01028

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Company Name: <b>MEK</b> Address: Phone: <b>01067</b> Project Name: <b>01067</b> Project Location: Project Number: Project Manager: Con-Test Quote Name/Number: Invoice Recipient: Sampled By:		7-Day <input type="checkbox"/> 10-Day <input type="checkbox"/> Due Date: Rush Approval Required: 1-Day <input type="checkbox"/> 3-Day <input type="checkbox"/> 2-Day <input type="checkbox"/> 4-Day <input type="checkbox"/> Data Delivery: Format: PDF <input type="checkbox"/> EXCEL <input type="checkbox"/> Other: CLP Like Data Pkg Required: <input type="checkbox"/> Email To: Fax To #: ANALYSIS REQUESTED		# of Containers: Preservation Code: Container Code: Dissolved Metals Samples: <input type="radio"/> Field Filtered <input type="radio"/> Lab to Filter Orthophosphate Samples: <input type="radio"/> Field Filtered <input type="radio"/> Lab to Filter 1 Matrix Codes: GW = Ground Water WW = Waste Water DW = Drinking Water A = Air S = Soil SL = Sludge SOL = Solid O = Other (please define) 2 Preservation Codes: I = Iced H = HCl M = Methanol N = Nitric Acid S = Sulfuric Acid B = Sodium Bisulfate X = Sodium Hydroxide T = Sodium Thiosulfate O = Other (please define) 3 Container Codes: A = Amber Glass G = Glass P = Plastic ST = Sterile V = Vial S = Summa Canister T = Tedlar Bag O = Other (please define)	
Date/Time: 7/25/08 10:31 Date/Time: 7/25/08 10:40 Date/Time: 7/25/08 10:41 Date/Time: 7/25/08 10:42 Date/Time: 7/25/08 10:43 Date/Time: 7/25/08 10:44 Date/Time: 7/25/08 10:45 Date/Time: 7/25/08 10:46 Date/Time: 7/25/08 10:47 Date/Time: 7/25/08 11:05		B-M-9 (9.5-11.5) B-M-10 (0-0.5) B-M-10 (0.5-1.5) B-M-10 (1.5-2.5) B-M-10 (2.5-3.5) B-M-10 (3.5-5.5) B-M-10 (5.5-7.5) B-M-10 (7.5-9.5) B-M-10 (9.5-11.5) B-M-11 (0-0.5)		PCBs (Soils) ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	
Relinquished by: (signature) Date/Time: 7/25/08 16:02		Date/Time: 7/25/08 16:07 Relinquished by: (signature) Date/Time: 7/25/08 19:45		Date/Time: 7/25/08 19:45 Relinquished by: (signature)	
Received by: (signature) Date/Time: 7/25/08 21:24:30		Date/Time: 7/25/08 19:45 Relinquished by: (signature)		Date/Time: 7/25/08 19:45 Relinquished by: (signature)	
Received by: (signature)		Date/Time:		Date/Time:	
Comments: All samples w/ no analyses checked to be void		Please use the following codes to indicate possible sample concentration within the Conc Code column above: H - High; M - Medium; L - Low; C - Clean; U - Unknown		Special Requirements: MA MCP Required <input type="checkbox"/> MCP Certification Form Required <input type="checkbox"/> CT RCP Required <input type="checkbox"/> RCP Certification Form Required <input type="checkbox"/> MA State DW Required <input type="checkbox"/> PWSID #	
Detachment Limit Requirements: MA		State: MA		Project Entity: <input type="checkbox"/> Government <input type="checkbox"/> Federal <input type="checkbox"/> City <input type="checkbox"/> Municipality <input type="checkbox"/> 21 J <input type="checkbox"/> Brownfield <input type="checkbox"/> MWRA <input type="checkbox"/> School <input type="checkbox"/> MBTA <input type="checkbox"/> WRTA <input type="checkbox"/> Chromatogram <input type="checkbox"/> ALPHA-LAP, LLC	







## Meghan Kelley

---

**From:** Smith, Taylor  
**Sent:** Thursday, August 02, 2018 12:32 PM  
**To:** Meghan Kelley  
**Cc:** Spencer, Joseph; Bhunia, Prasanta  
**Subject:** Releasing more samples

Meghan-

Can we also release the following samples? Still 5 day turn time.

For PCBs:

B-N-7 (3.5-5.5)

B-N-7 (5.5-7.5)

For Lead:

B-L-9 (3.5-5.5)

B-L-9 (5.5-7.5)

Thank you!

**Taylor Smith**

ENVIRONMENTAL SCIENTIST  
direct: 978-977-0110 x2222  
cell: 978-854-2413



Weston & Sampson  
5 Centennial Drive | Peabody, MA 01960 (HQ)  
tel: 978-532-1900  
westonandsampson.com

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**Meghan Kelley**

---

**From:** Spencer, Joseph  
**Sent:** Thursday, August 02, 2018 1:46 PM  
**To:** Meghan Kelley  
**Subject:** RE: Con-Test Analytical Laboratory Conway Park., Somerville, MA: [none]

Sorry for the barrage of emails.

I just spoke to Taylor--we will send you one email per day on this from now on.

-----Original Message-----

From: Meghan Kelley [mailto:mkelley@contestlabs.com]  
Sent: Thursday, August 02, 2018 1:45 PM  
To: Spencer, Joseph <SpencerJ@wseinc.com>  
Cc: Bhunia, Prasanta <bhuniap@wseinc.com>; Smith, Taylor <SmithTa@wseinc.com>  
Subject: RE: Con-Test Analytical Laboratory Conway Park., Somerville, MA: [none]

Hi Joe,

I will get these started for you.

-Meghan

-----Original Message-----

From: Spencer, Joseph [mailto:SpencerJ@wseinc.com]  
Sent: Thursday, August 02, 2018 11:21 AM  
To: mkelley@contestlabs.com  
Cc: Bhunia, Prasanta <bhuniap@wseinc.com>; Smith, Taylor <SmithTa@wseinc.com>  
Subject: FW: Con-Test Analytical Laboratory Conway Park., Somerville, MA: [none]

Meghan,

Please activate the following samples for PCB analysis:

B-N-8 (3.5-5.5)  
B-N-8 (5.5-7.5)

Thank you.  
Joe

-----Original Message-----

From: Do Not Reply\_reports@contestlabs.com [mailto:reports@contestlabs.com]  
Sent: Thursday, August 02, 2018 10:15 AM  
To: Spencer, Joseph <SpencerJ@wseinc.com>  
Cc: Smith, Taylor <SmithTa@wseinc.com>; Bhunia, Prasanta <bhuniap@wseinc.com>  
Subject: Con-Test Analytical Laboratory Conway Park., Somerville, MA: [none]



This is an automated message from the Element DataSystem® LIMS at Con-Test Analytical Laboratory. It includes one or more file attachments.

If you have any questions about this email or if this email has been sent to you in error, please contact:

Con-Test Analytical Laboratory  
39 Spruce Street  
East Longmeadow, MA 01028  
413.525.2332 Phone  
413.525.6405 Fax

Submitting Client: Weston & Sampson Engineers MA Project Name: Conway Park., Somerville, MA

We value your feedback.

Con-Test is committed to quality and continuously improving deliverables and services to our clients. Please go online and complete the short survey regarding your experience with Con-Test using the following link:

<https://na01.safelinks.protection.outlook.com/?url=http%3A%2F%2Fsurvey.constantcontact.com%2Fsurvey%2Fa07ed4edh3zis9aj7h5%2Fstart&data=02%7C01%7CSpencerJ%40wseinc.com%7Ce562c827eea44d09d2dd08d5f8824314%7C1a0770bc47964537b9da66030b9bd1a4%7C0%7C0%7C636688161694892964&sdata=KCqyhwx28Y4IMqFAuNf6hVLxj2TLO6TYguaNljMsKJM%3D&reserved=0>

Each entry will be entered for a \$100 gift card in a monthly drawing.

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## MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Con-Test Analytical Laboratory	Project #: 18H0130
Project Location: Conway Park., Somerville, MA	RTN:

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]  
18H0130-01 thru 18H0130-06

Matrices: Soil

**CAM Protocol (check all that below)**

8260 VOC CAM II A ( )	7470/7471 Hg CAM III B ( )	MassDEP VPH CAM IV A ( )	8082 PCB CAM V A (X)	9014 Total Cyanide/PAC CAM VI A ( )	6860 Perchlorate CAM VIII B ( )
8270 SVOC CAM II B ( )	7010 Metals CAM III C ( )	MassDEP VPH CAM IV C ( )	8081 Pesticides CAM V B ( )	7196 Hex Cr CAM VI B ( )	MassDEP APH CAM IX A ( )
6010 Metals CAM III A (X)	6020 Metals CAM III D ( )	MassDEP EPH CAM IV A ( )	8151 Herbicides CAM V C ( )	8330 Explosives CAM VIII A ( )	TO-15 VOC CAM IX B ( )

**Affirmative response to Questions A through F is required for "Presumptive Certainty" status**

<b>A</b>	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>B</b>	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>C</b>	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>D</b>	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>E a</b>	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	<input type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>E b</b>	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	<input type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>F</b>	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all No responses to Questions A through E)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>

**A response to questions G, H and I below is required for "Presumptive Certainty" status**

<b>G</b>	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
----------	---	--

**Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.**

<b>H</b>	Were all QC performance standards specified in the CAM protocol(s) achieved?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>
<b>I</b>	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>

<sup>1</sup>All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

**I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.**

Signature: Lisa Worthington Position: Project Manager  
Printed Name: Lisa A. Worthington Date: 08/10/18

March 16, 2018

Taylor Smith  
Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960

Project Location: Conway Park - Somerville, MA  
Client Job Number:  
Project Number: [none]  
Laboratory Work Order Number: 18C0391

Enclosed are results of analyses for samples received by the laboratory on March 9, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, reading "Meghan E. Kelley". The signature is written in a cursive style with a large, sweeping flourish at the end.

Meghan E. Kelley  
Project Manager

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Chain of Custody/Sample Receipt

121

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 3/16/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18C0391

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park - Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B105 (0-3)	18C0391-01	Soil		SM 2540G SW-846 6010C-D SW-846 8082A	
B105 (3-6)	18C0391-02	Soil		SM 2540G SW-846 6010C-D SW-846 8082A	
B102 (0-3)	18C0391-03	Soil		MADEP-EPH-04-1.1 SM 2540G SW-846 6010C-D SW-846 7471B	
B102 (3-6)	18C0391-04	Soil		MADEP-EPH-04-1.1 SM 2540G SW-846 6010C-D SW-846 7471B	
B101 (0-3)	18C0391-05	Soil		MADEP-EPH-04-1.1 SM 2540G SW-846 6010C-D SW-846 7471B SW-846 8082A	
B101 (6-9)	18C0391-06	Soil		MADEP-EPH-04-1.1 SM 2540G SW-846 6010C-D SW-846 7471B SW-846 8082A	
B106 (0-3)	18C0391-07	Soil		SM 2540G SW-846 6010C-D	
B106 (3-6)	18C0391-08	Soil		SM 2540G SW-846 6010C-D	
DUP1	18C0391-09	Soil		MADEP-EPH-04-1.1 SM 2540G SW-846 6010C-D SW-846 7471B SW-846 8082A	
B113 (0-3)	18C0391-11	Soil		SM 2540G SW-846 6010C-D	
B113 (3-6)	18C0391-12	Soil		SM 2540G SW-846 6010C-D	
B114 (0-3)	18C0391-13	Soil		SM 2540G SW-846 6010C-D SW-846 8082A	

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Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 3/16/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18C0391

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park - Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B114 (12-15)	18C0391-14	Soil		SM 2540G SW-846 6010C-D SW-846 8082A	
B112 (0-3)	18C0391-15	Soil		SM 2540G SW-846 6010C-D	
B112 (9-12)	18C0391-16	Soil		SM 2540G SW-846 6010C-D	
B104 (0-3)	18C0391-17	Soil		SM 2540G SW-846 6010C-D SW-846 8082A	
B104 (9-12)	18C0391-18	Soil		SM 2540G SW-846 6010C-D SW-846 8082A	
B108 (0-3)	18C0391-21	Soil		SM 2540G SW-846 6010C-D SW-846 8082A	
B108 (9-12)	18C0391-22	Soil		SM 2540G SW-846 6010C-D SW-846 8082A	
B103 (0-3)	18C0391-23	Soil		SM 2540G SW-846 6010C-D SW-846 8082A	
B103 (6-9)	18C0391-24	Soil		SM 2540G SW-846 6010C-D SW-846 8082A	
B109 (0-3)	18C0391-25	Soil		SM 2540G SW-846 6010C-D SW-846 8082A	
B109 (12-15)	18C0391-26	Soil		SM 2540G SW-846 6010C-D SW-846 8082A	
B107 (0-3)	18C0391-27	Soil		SM 2540G SW-846 6010C-D	
B107 (6-9)	18C0391-28	Soil		SM 2540G SW-846 6010C-D	
B110 (0-3)	18C0391-31	Soil		SM 2540G SW-846 6010C-D	
B110 (3-6)	18C0391-32	Soil		SM 2540G SW-846 6010C-D	



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Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 3/16/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18C0391

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park - Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B111 (0-3)	18C0391-33	Soil		SM 2540G SW-846 6010C-D SW-846 8082A	
B111 (6-9)	18C0391-34	Soil		SM 2540G SW-846 6010C-D SW-846 8082A	

**CASE NARRATIVE SUMMARY**

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

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**MADEP-EPH-04-1.1****Qualifications:****R-05**

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

**Analyte & Samples(s) Qualified:****2-Methylnaphthalene**

18C0391-03[B102 (0-3)], 18C0391-04[B102 (3-6)], 18C0391-05[B101 (0-3)], 18C0391-06[B101 (6-9)], 18C0391-09[DUP1], B198696-BLK1, B198696-BS1, B198696-BSD1

**Acenaphthylene**

18C0391-03[B102 (0-3)], 18C0391-04[B102 (3-6)], 18C0391-05[B101 (0-3)], 18C0391-06[B101 (6-9)], 18C0391-09[DUP1], B198696-BLK1, B198696-BS1, B198696-BSD1

**Naphthalene**

18C0391-03[B102 (0-3)], 18C0391-04[B102 (3-6)], 18C0391-05[B101 (0-3)], 18C0391-06[B101 (6-9)], 18C0391-09[DUP1], B198696-BLK1, B198696-BS1, B198696-BSD1

**n-Decane**

B198696-BLK1, B198696-BS1, B198696-BSD1

**n-Dodecane**

B198696-BLK1, B198696-BS1, B198696-BSD1

**n-Nonane**

B198696-BLK1, B198696-BS1, B198696-BSD1

**n-Tetradecane**

B198696-BLK1, B198696-BS1, B198696-BSD1

**SW-846 6010C-D****Qualifications:****MS-07**

Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated.

**Analyte & Samples(s) Qualified:****Antimony**

18C0391-06[B101 (6-9)], B198683-MS1

**MS-19**

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

**Analyte & Samples(s) Qualified:****Lead**

18C0391-09RE1[DUP1], B198891-MS1

**Zinc**

18C0391-09[DUP1], B198788-MS1

**SW-846 7471B****Qualifications:****R-05**

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

**Analyte & Samples(s) Qualified:****Mercury**

18C0391-09[DUP1], B198761-BLK1, B198761-BS1, B198761-BSD1

**SW-846 8082A****Qualifications:**

**MS-21**

Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.

**Analyte & Samples(s) Qualified:****Aroclor-1016**

B198677-MS1, B198677-MSD1

**Aroclor-1016 [2C]**

B198677-MS1, B198677-MSD1

**Aroclor-1260**

B198677-MS1, B198677-MSD1

**Aroclor-1260 [2C]**

B198677-MS1, B198677-MSD1

**O-32**

A dilution was performed as part of the standard analytical procedure.

**Analyte & Samples(s) Qualified:**

18C0391-06[B101 (6-9)], 18C0391-13[B114 (0-3)], 18C0391-14[B114 (12-15)], 18C0391-24[B103 (6-9)], 18C0391-34[B111 (6-9)]

**S-01**

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**Analyte & Samples(s) Qualified:****Decachlorobiphenyl**

18C0391-01[B105 (0-3)], 18C0391-02[B105 (3-6)], 18C0391-17[B104 (0-3)], 18C0391-21[B108 (0-3)], 18C0391-23[B103 (0-3)], 18C0391-25[B109 (0-3)]

**Decachlorobiphenyl [2C]**

18C0391-01[B105 (0-3)], 18C0391-02[B105 (3-6)], 18C0391-17[B104 (0-3)], 18C0391-21[B108 (0-3)], 18C0391-23[B103 (0-3)], 18C0391-25[B109 (0-3)]

**Tetrachloro-m-xylene**

18C0391-01[B105 (0-3)], 18C0391-02[B105 (3-6)], 18C0391-17[B104 (0-3)], 18C0391-21[B108 (0-3)], 18C0391-23[B103 (0-3)], 18C0391-25[B109 (0-3)]

**Tetrachloro-m-xylene [2C]**

18C0391-01[B105 (0-3)], 18C0391-02[B105 (3-6)], 18C0391-17[B104 (0-3)], 18C0391-21[B108 (0-3)], 18C0391-23[B103 (0-3)], 18C0391-25[B109 (0-3)]

**MADEP-EPH-04-1.1**

SPE cartridge contamination with non-petroleum compounds, if present, is verified by GC/MS in each method blank per extraction batch and excluded from C11-C22 aromatic range fraction in all samples in the batch. No significant modifications were made to the method.

**SW-846 6010C/D SW-846 6020A/B**

For NC, Metals methods SW-846 6010D and SW-846 6020B are followed, and for all other states methods SW-846 6010C and SW-846 6020A are followed.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington  
Project Manager

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B105 (0-3)

Sampled: 3/6/2018 09:15

Sample ID: 18C0391-01

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 10:08	TG
Aroclor-1221 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 10:08	TG
Aroclor-1232 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 10:08	TG
Aroclor-1242 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 10:08	TG
Aroclor-1248 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 10:08	TG
Aroclor-1254 [1]	4.8	0.87	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 10:08	TG
Aroclor-1260 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 10:08	TG
Aroclor-1262 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 10:08	TG
Aroclor-1268 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 10:08	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			3/15/18 10:08	
Decachlorobiphenyl [2]		*	30-150		S-01			3/15/18 10:08	
Tetrachloro-m-xylene [1]		*	30-150		S-01			3/15/18 10:08	
Tetrachloro-m-xylene [2]		*	30-150		S-01			3/15/18 10:08	

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Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B105 (0-3)

Sampled: 3/6/2018 09:15

Sample ID: 18C0391-01

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	63	0.59	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 14:05	QNW

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Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B105 (0-3)

Sampled: 3/6/2018 09:15

Sample ID: 18C0391-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.8		% Wt	1		SM 2540G	3/12/18	3/14/18 7:41	MRL

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Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B105 (3-6)

Sampled: 3/6/2018 09:25

Sample ID: 18C0391-02

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1100	mg/Kg dry	50000		SW-846 8082A	3/12/18	3/15/18 12:47	TG
Aroclor-1221 [1]	ND	1100	mg/Kg dry	50000		SW-846 8082A	3/12/18	3/15/18 12:47	TG
Aroclor-1232 [1]	ND	1100	mg/Kg dry	50000		SW-846 8082A	3/12/18	3/15/18 12:47	TG
Aroclor-1242 [1]	ND	1100	mg/Kg dry	50000		SW-846 8082A	3/12/18	3/15/18 12:47	TG
Aroclor-1248 [1]	ND	1100	mg/Kg dry	50000		SW-846 8082A	3/12/18	3/15/18 12:47	TG
Aroclor-1254 [1]	5900	1100	mg/Kg dry	50000		SW-846 8082A	3/12/18	3/15/18 12:47	TG
Aroclor-1260 [1]	ND	1100	mg/Kg dry	50000		SW-846 8082A	3/12/18	3/15/18 12:47	TG
Aroclor-1262 [1]	ND	1100	mg/Kg dry	50000		SW-846 8082A	3/12/18	3/15/18 12:47	TG
Aroclor-1268 [1]	ND	1100	mg/Kg dry	50000		SW-846 8082A	3/12/18	3/15/18 12:47	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			3/15/18 12:47	
Decachlorobiphenyl [2]		*	30-150		S-01			3/15/18 12:47	
Tetrachloro-m-xylene [1]		*	30-150		S-01			3/15/18 12:47	
Tetrachloro-m-xylene [2]		*	30-150		S-01			3/15/18 12:47	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B105 (3-6)

Sampled: 3/6/2018 09:25

Sample ID: 18C0391-02

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	390	0.56	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 14:10	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B105 (3-6)

Sampled: 3/6/2018 09:25

Sample ID: 18C0391-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.3		% Wt	1		SM 2540G	3/12/18	3/14/18 7:41	MRL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B102 (0-3)

Sampled: 3/7/2018 09:00

Sample ID: 18C0391-03

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 8:31	RMW
C19-C36 Aliphatics	17	11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 8:31	RMW
Unadjusted C11-C22 Aromatics	37	11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 8:31	RMW
C11-C22 Aromatics	29	11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 8:31	RMW
Acenaphthene	ND	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 8:31	RMW
Acenaphthylene	ND	0.11	mg/Kg dry	1	R-05	MADEP-EPH-04-1.1	3/12/18	3/14/18 8:31	RMW
Anthracene	ND	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 8:31	RMW
Benzo(a)anthracene	0.61	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 8:31	RMW
Benzo(a)pyrene	0.90	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 8:31	RMW
Benzo(b)fluoranthene	1.0	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 8:31	RMW
Benzo(g,h,i)perylene	0.56	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 8:31	RMW
Benzo(k)fluoranthene	0.36	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 8:31	RMW
Chrysene	0.83	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 8:31	RMW
Dibenz(a,h)anthracene	ND	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 8:31	RMW
Fluoranthene	1.3	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 8:31	RMW
Fluorene	ND	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 8:31	RMW
Indeno(1,2,3-cd)pyrene	0.54	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 8:31	RMW
2-Methylnaphthalene	ND	0.11	mg/Kg dry	1	R-05	MADEP-EPH-04-1.1	3/12/18	3/14/18 8:31	RMW
Naphthalene	ND	0.11	mg/Kg dry	1	R-05	MADEP-EPH-04-1.1	3/12/18	3/14/18 8:31	RMW
Phenanthrene	0.65	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 8:31	RMW
Pyrene	1.4	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 8:31	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual
Chlorooctadecane (COD)	82.2	40-140	
o-Terphenyl (OTP)	78.6	40-140	
2-Bromonaphthalene	92.3	40-140	
2-Fluorobiphenyl	102	40-140	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B102 (0-3)

Sampled: 3/7/2018 09:00

Sample ID: 18C0391-03

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.9	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 12:51	QNW
Arsenic	2.8	1.9	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 12:51	QNW
Barium	34	1.9	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 12:51	QNW
Beryllium	ND	0.19	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 12:51	QNW
Cadmium	0.55	0.19	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 12:51	QNW
Chromium	11	0.37	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 12:51	QNW
Lead	33	0.56	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 12:51	QNW
Mercury	0.086	0.028	mg/Kg dry	1		SW-846 7471B	3/12/18	3/14/18 10:00	EJB
Nickel	9.0	0.37	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 12:51	QNW
Selenium	ND	3.7	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 12:51	QNW
Silver	ND	0.37	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 12:51	QNW
Thallium	ND	1.9	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 12:51	QNW
Vanadium	17	0.74	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 12:51	QNW
Zinc	210	0.74	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 12:51	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B102 (0-3)

Sampled: 3/7/2018 09:00

Sample ID: 18C0391-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.3		% Wt	1		SM 2540G	3/12/18	3/14/18 7:41	MRL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B102 (3-6)

Sampled: 3/7/2018 09:15

Sample ID: 18C0391-04

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 7:13	RMW
C19-C36 Aliphatics	ND	11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 7:13	RMW
Unadjusted C11-C22 Aromatics	ND	11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 7:13	RMW
C11-C22 Aromatics	ND	11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 7:13	RMW
Acenaphthene	ND	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 7:13	RMW
Acenaphthylene	ND	0.11	mg/Kg dry	1	R-05	MADEP-EPH-04-1.1	3/12/18	3/14/18 7:13	RMW
Anthracene	ND	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 7:13	RMW
Benzo(a)anthracene	ND	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 7:13	RMW
Benzo(a)pyrene	ND	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 7:13	RMW
Benzo(b)fluoranthene	ND	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 7:13	RMW
Benzo(g,h,i)perylene	ND	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 7:13	RMW
Benzo(k)fluoranthene	ND	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 7:13	RMW
Chrysene	ND	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 7:13	RMW
Dibenz(a,h)anthracene	ND	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 7:13	RMW
Fluoranthene	ND	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 7:13	RMW
Fluorene	ND	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 7:13	RMW
Indeno(1,2,3-cd)pyrene	ND	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 7:13	RMW
2-Methylnaphthalene	ND	0.11	mg/Kg dry	1	R-05	MADEP-EPH-04-1.1	3/12/18	3/14/18 7:13	RMW
Naphthalene	ND	0.11	mg/Kg dry	1	R-05	MADEP-EPH-04-1.1	3/12/18	3/14/18 7:13	RMW
Phenanthrene	ND	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 7:13	RMW
Pyrene	ND	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 7:13	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual
Chlorooctadecane (COD)	78.4	40-140	
o-Terphenyl (OTP)	79.3	40-140	
2-Bromonaphthalene	95.5	40-140	
2-Fluorobiphenyl	99.1	40-140	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B102 (3-6)

Sampled: 3/7/2018 09:15

Sample ID: 18C0391-04

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.9	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 12:56	QNW
Arsenic	ND	1.9	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 12:56	QNW
Barium	22	1.9	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 12:56	QNW
Beryllium	ND	0.19	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 12:56	QNW
Cadmium	ND	0.19	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 12:56	QNW
Chromium	14	0.39	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 12:56	QNW
Lead	50	0.58	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 12:56	QNW
Mercury	0.11	0.029	mg/Kg dry	1		SW-846 7471B	3/12/18	3/14/18 10:02	EJB
Nickel	8.9	0.39	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 12:56	QNW
Selenium	ND	3.9	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 12:56	QNW
Silver	ND	0.39	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 12:56	QNW
Thallium	ND	1.9	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 12:56	QNW
Vanadium	20	0.78	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 12:56	QNW
Zinc	28	0.78	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 12:56	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B102 (3-6)

Sampled: 3/7/2018 09:15

Sample ID: 18C0391-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.3		% Wt	1		SM 2540G	3/12/18	3/14/18 7:41	MRL



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Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B101 (0-3)

Sampled: 3/7/2018 10:00

Sample ID: 18C0391-05

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 10:43	TG
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 10:43	TG
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 10:43	TG
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 10:43	TG
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 10:43	TG
Aroclor-1254 [1]	0.21	0.087	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 10:43	TG
Aroclor-1260 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 10:43	TG
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 10:43	TG
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 10:43	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		98.6	30-150					3/15/18 10:43	
Decachlorobiphenyl [2]		79.0	30-150					3/15/18 10:43	
Tetrachloro-m-xylene [1]		83.3	30-150					3/15/18 10:43	
Tetrachloro-m-xylene [2]		77.4	30-150					3/15/18 10:43	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B101 (0-3)

Sampled: 3/7/2018 10:00

Sample ID: 18C0391-05

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 8:11	RMW
C19-C36 Aliphatics	ND	11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 8:11	RMW
Unadjusted C11-C22 Aromatics	74	11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 8:11	RMW
C11-C22 Aromatics	49	11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 8:11	RMW
Acenaphthene	0.19	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 8:11	RMW
Acenaphthylene	ND	0.11	mg/Kg dry	1	R-05	MADEP-EPH-04-1.1	3/12/18	3/14/18 8:11	RMW
Anthracene	0.54	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 8:11	RMW
Benzo(a)anthracene	1.7	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 8:11	RMW
Benzo(a)pyrene	1.8	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 8:11	RMW
Benzo(b)fluoranthene	2.2	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 8:11	RMW
Benzo(g,h,i)perylene	1.3	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 8:11	RMW
Benzo(k)fluoranthene	0.74	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 8:11	RMW
Chrysene	2.1	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 8:11	RMW
Dibenz(a,h)anthracene	0.29	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 8:11	RMW
Fluoranthene	4.2	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 8:11	RMW
Fluorene	0.22	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 8:11	RMW
Indeno(1,2,3-cd)pyrene	1.2	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 8:11	RMW
2-Methylnaphthalene	ND	0.11	mg/Kg dry	1	R-05	MADEP-EPH-04-1.1	3/12/18	3/14/18 8:11	RMW
Naphthalene	ND	0.11	mg/Kg dry	1	R-05	MADEP-EPH-04-1.1	3/12/18	3/14/18 8:11	RMW
Phenanthrene	3.4	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 8:11	RMW
Pyrene	4.6	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 8:11	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual
Chlorooctadecane (COD)	83.5	40-140	
o-Terphenyl (OTP)	81.8	40-140	
2-Bromonaphthalene	96.1	40-140	
2-Fluorobiphenyl	99.4	40-140	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B101 (0-3)

Sampled: 3/7/2018 10:00

Sample ID: 18C0391-05

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.0	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 13:01	QNW
Arsenic	2.8	2.0	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 13:01	QNW
Barium	35	2.0	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 13:01	QNW
Beryllium	ND	0.20	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 13:01	QNW
Cadmium	0.30	0.20	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 13:01	QNW
Chromium	13	0.39	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 13:01	QNW
Lead	66	0.59	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 13:01	QNW
Mercury	0.13	0.028	mg/Kg dry	1		SW-846 7471B	3/12/18	3/14/18 10:03	EJB
Nickel	11	0.39	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 13:01	QNW
Selenium	ND	3.9	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 13:01	QNW
Silver	ND	0.39	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 13:01	QNW
Thallium	ND	2.0	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 13:01	QNW
Vanadium	19	0.79	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 13:01	QNW
Zinc	140	0.79	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 13:01	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B101 (0-3)

Sampled: 3/7/2018 10:00

Sample ID: 18C0391-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.2		% Wt	1		SM 2540G	3/12/18	3/14/18 7:41	MRL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B101 (6-9)

Sampled: 3/7/2018 10:10

Sample ID: 18C0391-06

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 0:41	TG
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 0:41	TG
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 0:41	TG
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 0:41	TG
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 0:41	TG
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 0:41	TG
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 0:41	TG
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 0:41	TG
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 0:41	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		110	30-150					3/15/18 0:41	
Decachlorobiphenyl [2]		86.4	30-150					3/15/18 0:41	
Tetrachloro-m-xylene [1]		92.9	30-150					3/15/18 0:41	
Tetrachloro-m-xylene [2]		86.2	30-150					3/15/18 0:41	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B101 (6-9)

Sampled: 3/7/2018 10:10

Sample ID: 18C0391-06

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	12	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 7:33	RMW
C19-C36 Aliphatics	ND	12	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 7:33	RMW
Unadjusted C11-C22 Aromatics	ND	12	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 7:33	RMW
C11-C22 Aromatics	ND	12	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 7:33	RMW
Acenaphthene	ND	0.12	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 7:33	RMW
Acenaphthylene	ND	0.12	mg/Kg dry	1	R-05	MADEP-EPH-04-1.1	3/12/18	3/14/18 7:33	RMW
Anthracene	ND	0.12	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 7:33	RMW
Benzo(a)anthracene	ND	0.12	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 7:33	RMW
Benzo(a)pyrene	ND	0.12	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 7:33	RMW
Benzo(b)fluoranthene	ND	0.12	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 7:33	RMW
Benzo(g,h,i)perylene	ND	0.12	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 7:33	RMW
Benzo(k)fluoranthene	ND	0.12	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 7:33	RMW
Chrysene	ND	0.12	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 7:33	RMW
Dibenz(a,h)anthracene	ND	0.12	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 7:33	RMW
Fluoranthene	ND	0.12	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 7:33	RMW
Fluorene	ND	0.12	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 7:33	RMW
Indeno(1,2,3-cd)pyrene	ND	0.12	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 7:33	RMW
2-Methylnaphthalene	ND	0.12	mg/Kg dry	1	R-05	MADEP-EPH-04-1.1	3/12/18	3/14/18 7:33	RMW
Naphthalene	ND	0.12	mg/Kg dry	1	R-05	MADEP-EPH-04-1.1	3/12/18	3/14/18 7:33	RMW
Phenanthrene	ND	0.12	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 7:33	RMW
Pyrene	ND	0.12	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/14/18 7:33	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual
Chlorooctadecane (COD)	81.8	40-140	3/14/18 7:33
o-Terphenyl (OTP)	75.0	40-140	3/14/18 7:33
2-Bromonaphthalene	91.5	40-140	3/14/18 7:33
2-Fluorobiphenyl	95.6	40-140	3/14/18 7:33

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B101 (6-9)

Sampled: 3/7/2018 10:10

Sample ID: 18C0391-06

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.0	mg/Kg dry	1	MS-07	SW-846 6010C-D	3/12/18	3/15/18 12:46	QNW
Arsenic	ND	2.0	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 12:46	QNW
Barium	15	2.0	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 12:46	QNW
Beryllium	ND	0.20	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 12:46	QNW
Cadmium	ND	0.20	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 12:46	QNW
Chromium	10	0.40	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 12:46	QNW
Lead	4.2	0.60	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 12:46	QNW
Mercury	ND	0.028	mg/Kg dry	1		SW-846 7471B	3/12/18	3/14/18 10:09	EJB
Nickel	8.2	0.40	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 12:46	QNW
Selenium	ND	4.0	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 12:46	QNW
Silver	ND	0.40	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 12:46	QNW
Thallium	ND	2.0	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 12:46	QNW
Vanadium	16	0.80	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 12:46	QNW
Zinc	35	0.80	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 12:46	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B101 (6-9)

Sampled: 3/7/2018 10:10

Sample ID: 18C0391-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.2		% Wt	1		SM 2540G	3/12/18	3/14/18 7:41	MRL



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B106 (0-3)

Sampled: 3/7/2018 11:20

Sample ID: 18C0391-07

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	17	0.57	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 14:15	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B106 (0-3)

Sampled: 3/7/2018 11:20

Sample ID: 18C0391-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.6		% Wt	1		SM 2540G	3/12/18	3/14/18 7:41	MRL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B106 (3-6)

Sampled: 3/7/2018 11:30

Sample ID: 18C0391-08

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	960	0.59	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 14:20	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B106 (3-6)

Sampled: 3/7/2018 11:30

Sample ID: 18C0391-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.6		% Wt	1		SM 2540G	3/12/18	3/14/18 7:42	MRL

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Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: DUP1

Sampled: 3/7/2018 00:00

Sample ID: 18C0391-09

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	3/12/18	3/16/18 9:23	TG
Aroclor-1221 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	3/12/18	3/16/18 9:23	TG
Aroclor-1232 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	3/12/18	3/16/18 9:23	TG
Aroclor-1242 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	3/12/18	3/16/18 9:23	TG
Aroclor-1248 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	3/12/18	3/16/18 9:23	TG
Aroclor-1254 [2]	4.4	0.45	mg/Kg dry	20		SW-846 8082A	3/12/18	3/16/18 9:23	TG
Aroclor-1260 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	3/12/18	3/16/18 9:23	TG
Aroclor-1262 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	3/12/18	3/16/18 9:23	TG
Aroclor-1268 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	3/12/18	3/16/18 9:23	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		117	30-150					3/16/18 9:23	
Decachlorobiphenyl [2]		127	30-150					3/16/18 9:23	
Tetrachloro-m-xylene [1]		87.1	30-150					3/16/18 9:23	
Tetrachloro-m-xylene [2]		94.9	30-150					3/16/18 9:23	

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Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: DUP1

Sampled: 3/7/2018 00:00

Sample ID: 18C0391-09

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/16/18 6:56	RMW
C19-C36 Aliphatics	31	11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/16/18 6:56	RMW
Unadjusted C11-C22 Aromatics	53	11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/16/18 6:56	RMW
C11-C22 Aromatics	42	11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/16/18 6:56	RMW
Acenaphthene	0.12	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/16/18 6:56	RMW
Acenaphthylene	ND	0.11	mg/Kg dry	1	R-05	MADEP-EPH-04-1.1	3/12/18	3/16/18 6:56	RMW
Anthracene	0.22	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/16/18 6:56	RMW
Benzo(a)anthracene	0.89	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/16/18 6:56	RMW
Benzo(a)pyrene	0.98	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/16/18 6:56	RMW
Benzo(b)fluoranthene	1.2	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/16/18 6:56	RMW
Benzo(g,h,i)perylene	0.66	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/16/18 6:56	RMW
Benzo(k)fluoranthene	0.46	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/16/18 6:56	RMW
Chrysene	1.1	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/16/18 6:56	RMW
Dibenz(a,h)anthracene	0.17	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/16/18 6:56	RMW
Fluoranthene	1.9	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/16/18 6:56	RMW
Fluorene	0.13	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/16/18 6:56	RMW
Indeno(1,2,3-cd)pyrene	0.62	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/16/18 6:56	RMW
2-Methylnaphthalene	ND	0.11	mg/Kg dry	1	R-05	MADEP-EPH-04-1.1	3/12/18	3/16/18 6:56	RMW
Naphthalene	ND	0.11	mg/Kg dry	1	R-05	MADEP-EPH-04-1.1	3/12/18	3/16/18 6:56	RMW
Phenanthrene	1.1	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/16/18 6:56	RMW
Pyrene	1.8	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	3/12/18	3/16/18 6:56	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual
Chlorooctadecane (COD)	77.9	40-140	
o-Terphenyl (OTP)	91.5	40-140	
2-Bromonaphthalene	83.6	40-140	
2-Fluorobiphenyl	86.2	40-140	

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Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: DUP1

Sampled: 3/7/2018 00:00

Sample ID: 18C0391-09

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	3.1	2.0	mg/Kg dry	1		SW-846 6010C-D	3/14/18	3/15/18 13:24	QNW
Arsenic	6.4	2.0	mg/Kg dry	1		SW-846 6010C-D	3/14/18	3/15/18 13:24	QNW
Barium	31	1.9	mg/Kg dry	1		SW-846 6010C-D	3/15/18	3/16/18 13:20	QNW
Beryllium	0.29	0.20	mg/Kg dry	1		SW-846 6010C-D	3/14/18	3/15/18 13:24	QNW
Cadmium	0.56	0.20	mg/Kg dry	1		SW-846 6010C-D	3/14/18	3/15/18 13:24	QNW
Chromium	19	0.39	mg/Kg dry	1		SW-846 6010C-D	3/14/18	3/15/18 13:24	QNW
Lead	160	0.57	mg/Kg dry	1	MS-19	SW-846 6010C-D	3/15/18	3/16/18 13:20	QNW
Mercury	0.15	0.029	mg/Kg dry	1	R-05	SW-846 7471B	3/15/18	3/15/18 12:03	EJB
Nickel	13	0.39	mg/Kg dry	1		SW-846 6010C-D	3/14/18	3/15/18 13:24	QNW
Selenium	ND	3.9	mg/Kg dry	1		SW-846 6010C-D	3/14/18	3/15/18 13:24	QNW
Silver	ND	0.39	mg/Kg dry	1		SW-846 6010C-D	3/14/18	3/15/18 13:24	QNW
Thallium	ND	2.0	mg/Kg dry	1		SW-846 6010C-D	3/14/18	3/15/18 13:24	QNW
Vanadium	21	0.78	mg/Kg dry	1		SW-846 6010C-D	3/14/18	3/15/18 13:24	QNW
Zinc	240	0.78	mg/Kg dry	1	MS-19	SW-846 6010C-D	3/14/18	3/15/18 13:24	QNW

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Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: DUP1

Sampled: 3/7/2018 00:00

Sample ID: 18C0391-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.5		% Wt	1		SM 2540G	3/14/18	3/15/18 7:25	MRL



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Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B113 (0-3)

Sampled: 3/6/2018 12:30

Sample ID: 18C0391-11

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	72	0.60	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 14:27	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B113 (0-3)

Sampled: 3/6/2018 12:30

Sample ID: 18C0391-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.5		% Wt	1		SM 2540G	3/12/18	3/14/18 7:42	MRL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B113 (3-6)

Sampled: 3/6/2018 12:35

Sample ID: 18C0391-12

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	700	0.60	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 14:32	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B113 (3-6)

Sampled: 3/6/2018 12:35

Sample ID: 18C0391-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.0		% Wt	1		SM 2540G	3/12/18	3/14/18 7:42	MRL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B114 (0-3)

Sampled: 3/6/2018 14:45

Sample ID: 18C0391-13

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 0:58	TG
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 0:58	TG
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 0:58	TG
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 0:58	TG
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 0:58	TG
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 0:58	TG
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 0:58	TG
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 0:58	TG
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 0:58	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		67.8	30-150					3/15/18 0:58	
Decachlorobiphenyl [2]		107	30-150					3/15/18 0:58	
Tetrachloro-m-xylene [1]		56.7	30-150					3/15/18 0:58	
Tetrachloro-m-xylene [2]		49.5	30-150					3/15/18 0:58	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B114 (0-3)

Sampled: 3/6/2018 14:45

Sample ID: 18C0391-13

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	44	0.53	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 15:02	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B114 (0-3)

Sampled: 3/6/2018 14:45

Sample ID: 18C0391-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.2		% Wt	1		SM 2540G	3/12/18	3/14/18 7:42	MRL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B114 (12-15)

Sampled: 3/6/2018 15:00

Sample ID: 18C0391-14

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 1:16	TG
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 1:16	TG
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 1:16	TG
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 1:16	TG
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 1:16	TG
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 1:16	TG
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 1:16	TG
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 1:16	TG
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 1:16	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		107	30-150					3/15/18 1:16	
Decachlorobiphenyl [2]		83.8	30-150					3/15/18 1:16	
Tetrachloro-m-xylene [1]		86.4	30-150					3/15/18 1:16	
Tetrachloro-m-xylene [2]		80.0	30-150					3/15/18 1:16	



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Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B114 (12-15)

Sampled: 3/6/2018 15:00

Sample ID: 18C0391-14

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	2.5	0.59	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 15:07	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B114 (12-15)

Sampled: 3/6/2018 15:00

Sample ID: 18C0391-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.6		% Wt	1		SM 2540G	3/12/18	3/14/18 7:42	MRL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B112 (0-3)

Sampled: 3/6/2018 13:40

Sample ID: 18C0391-15

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	4.3	0.54	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 15:12	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B112 (0-3)

Sampled: 3/6/2018 13:40

Sample ID: 18C0391-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.3		% Wt	1		SM 2540G	3/12/18	3/14/18 7:42	MRL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B112 (9-12)

Sampled: 3/6/2018 13:50

Sample ID: 18C0391-16

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	64	0.53	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 15:17	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B112 (9-12)

Sampled: 3/6/2018 13:50

Sample ID: 18C0391-16

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.1		% Wt	1		SM 2540G	3/12/18	3/14/18 7:42	MRL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B104 (0-3)

Sampled: 3/7/2018 11:40

Sample ID: 18C0391-17

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 11:01	TG
Aroclor-1221 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 11:01	TG
Aroclor-1232 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 11:01	TG
Aroclor-1242 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 11:01	TG
Aroclor-1248 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 11:01	TG
Aroclor-1254 [1]	7.1	0.92	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 11:01	TG
Aroclor-1260 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 11:01	TG
Aroclor-1262 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 11:01	TG
Aroclor-1268 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 11:01	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			3/15/18 11:01	
Decachlorobiphenyl [2]		*	30-150		S-01			3/15/18 11:01	
Tetrachloro-m-xylene [1]		*	30-150		S-01			3/15/18 11:01	
Tetrachloro-m-xylene [2]		*	30-150		S-01			3/15/18 11:01	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B104 (0-3)

Sampled: 3/7/2018 11:40

Sample ID: 18C0391-17

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	110	0.60	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 15:22	QNW



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B104 (0-3)

Sampled: 3/7/2018 11:40

Sample ID: 18C0391-17

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.4		% Wt	1		SM 2540G	3/12/18	3/14/18 7:43	MRL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B104 (9-12)

Sampled: 3/7/2018 11:50

Sample ID: 18C0391-18

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 1:51	TG
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 1:51	TG
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 1:51	TG
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 1:51	TG
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 1:51	TG
Aroclor-1254 [1]	0.27	0.090	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 1:51	TG
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 1:51	TG
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 1:51	TG
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 1:51	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		98.7	30-150					3/15/18 1:51	
Decachlorobiphenyl [2]		77.4	30-150					3/15/18 1:51	
Tetrachloro-m-xylene [1]		77.1	30-150					3/15/18 1:51	
Tetrachloro-m-xylene [2]		71.0	30-150					3/15/18 1:51	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B104 (9-12)

Sampled: 3/7/2018 11:50

Sample ID: 18C0391-18

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	60	0.56	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 15:27	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B104 (9-12)

Sampled: 3/7/2018 11:50

Sample ID: 18C0391-18

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.8		% Wt	1		SM 2540G	3/12/18	3/14/18 7:43	MRL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B108 (0-3)

Sampled: 3/6/2018 11:15

Sample ID: 18C0391-21

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.91	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 11:19	TG
Aroclor-1221 [1]	ND	0.91	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 11:19	TG
Aroclor-1232 [1]	ND	0.91	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 11:19	TG
Aroclor-1242 [1]	ND	0.91	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 11:19	TG
Aroclor-1248 [1]	ND	0.91	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 11:19	TG
Aroclor-1254 [1]	8.3	0.91	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 11:19	TG
Aroclor-1260 [1]	ND	0.91	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 11:19	TG
Aroclor-1262 [1]	ND	0.91	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 11:19	TG
Aroclor-1268 [1]	ND	0.91	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 11:19	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			3/15/18 11:19	
Decachlorobiphenyl [2]		*	30-150		S-01			3/15/18 11:19	
Tetrachloro-m-xylene [1]		*	30-150		S-01			3/15/18 11:19	
Tetrachloro-m-xylene [2]		*	30-150		S-01			3/15/18 11:19	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B108 (0-3)

Sampled: 3/6/2018 11:15

Sample ID: 18C0391-21

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	91	0.60	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 15:46	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B108 (0-3)

Sampled: 3/6/2018 11:15

Sample ID: 18C0391-21

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.3		% Wt	1		SM 2540G	3/12/18	3/14/18 7:43	MRL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B108 (9-12)

Sampled: 3/6/2018 11:30

Sample ID: 18C0391-22

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 2:26	TG
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 2:26	TG
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 2:26	TG
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 2:26	TG
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 2:26	TG
Aroclor-1254 [1]	0.78	0.088	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 2:26	TG
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 2:26	TG
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 2:26	TG
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 2:26	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		88.0	30-150					3/15/18 2:26	
Decachlorobiphenyl [2]		91.6	30-150					3/15/18 2:26	
Tetrachloro-m-xylene [1]		75.9	30-150					3/15/18 2:26	
Tetrachloro-m-xylene [2]		68.4	30-150					3/15/18 2:26	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B108 (9-12)

Sampled: 3/6/2018 11:30

Sample ID: 18C0391-22

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	87	0.58	mg/Kg dry	1		SW-846 6010C-D	3/12/18	3/15/18 15:51	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B108 (9-12)

Sampled: 3/6/2018 11:30

Sample ID: 18C0391-22

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.8		% Wt	1		SM 2540G	3/12/18	3/14/18 7:43	MRL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B103 (0-3)

Sampled: 3/6/2018 10:10

Sample ID: 18C0391-23

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 11:36	TG
Aroclor-1221 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 11:36	TG
Aroclor-1232 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 11:36	TG
Aroclor-1242 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 11:36	TG
Aroclor-1248 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 11:36	TG
Aroclor-1254 [1]	6.3	0.87	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 11:36	TG
Aroclor-1260 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 11:36	TG
Aroclor-1262 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 11:36	TG
Aroclor-1268 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 11:36	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			3/15/18 11:36	
Decachlorobiphenyl [2]		*	30-150		S-01			3/15/18 11:36	
Tetrachloro-m-xylene [1]		*	30-150		S-01			3/15/18 11:36	
Tetrachloro-m-xylene [2]		*	30-150		S-01			3/15/18 11:36	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B103 (0-3)

Sampled: 3/6/2018 10:10

Sample ID: 18C0391-23

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	64	0.58	mg/Kg dry	1		SW-846 6010C-D	3/14/18	3/15/18 15:57	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B103 (0-3)

Sampled: 3/6/2018 10:10

Sample ID: 18C0391-23

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.3		% Wt	1		SM 2540G	3/12/18	3/14/18 7:43	MRL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B103 (6-9)

Sampled: 3/6/2018 10:20

Sample ID: 18C0391-24

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 4:06	TG
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 4:06	TG
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 4:06	TG
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 4:06	TG
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 4:06	TG
Aroclor-1254 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 4:06	TG
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 4:06	TG
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 4:06	TG
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 4:06	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		65.4	30-150					3/15/18 4:06	
Decachlorobiphenyl [2]		63.6	30-150					3/15/18 4:06	
Tetrachloro-m-xylene [1]		60.0	30-150					3/15/18 4:06	
Tetrachloro-m-xylene [2]		52.5	30-150					3/15/18 4:06	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B103 (6-9)

Sampled: 3/6/2018 10:20

Sample ID: 18C0391-24

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	120	0.59	mg/Kg dry	1		SW-846 6010C-D	3/14/18	3/15/18 16:02	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B103 (6-9)

Sampled: 3/6/2018 10:20

Sample ID: 18C0391-24

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.9		% Wt	1		SM 2540G	3/12/18	3/14/18 7:43	MRL



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B109 (0-3)

Sampled: 3/6/2018 11:50

Sample ID: 18C0391-25

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 11:54	TG
Aroclor-1221 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 11:54	TG
Aroclor-1232 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 11:54	TG
Aroclor-1242 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 11:54	TG
Aroclor-1248 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 11:54	TG
Aroclor-1254 [1]	5.8	0.92	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 11:54	TG
Aroclor-1260 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 11:54	TG
Aroclor-1262 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 11:54	TG
Aroclor-1268 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	3/12/18	3/15/18 11:54	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			3/15/18 11:54	
Decachlorobiphenyl [2]		*	30-150		S-01			3/15/18 11:54	
Tetrachloro-m-xylene [1]		*	30-150		S-01			3/15/18 11:54	
Tetrachloro-m-xylene [2]		*	30-150		S-01			3/15/18 11:54	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B109 (0-3)

Sampled: 3/6/2018 11:50

Sample ID: 18C0391-25

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	61	0.64	mg/Kg dry	1		SW-846 6010C-D	3/14/18	3/15/18 16:07	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B109 (0-3)

Sampled: 3/6/2018 11:50

Sample ID: 18C0391-25

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.5		% Wt	1		SM 2540G	3/12/18	3/14/18 7:43	MRL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B109 (12-15)

Sampled: 3/6/2018 12:10

Sample ID: 18C0391-26

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 4:42	TG
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 4:42	TG
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 4:42	TG
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 4:42	TG
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 4:42	TG
Aroclor-1254 [1]	0.22	0.087	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 4:42	TG
Aroclor-1260 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 4:42	TG
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 4:42	TG
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 4:42	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		81.4	30-150					3/15/18 4:42	
Decachlorobiphenyl [2]		92.6	30-150					3/15/18 4:42	
Tetrachloro-m-xylene [1]		77.7	30-150					3/15/18 4:42	
Tetrachloro-m-xylene [2]		60.1	30-150					3/15/18 4:42	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B109 (12-15)

Sampled: 3/6/2018 12:10

Sample ID: 18C0391-26

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	13	0.57	mg/Kg dry	1		SW-846 6010C-D	3/14/18	3/15/18 16:12	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B109 (12-15)

Sampled: 3/6/2018 12:10

Sample ID: 18C0391-26

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.7		% Wt	1		SM 2540G	3/12/18	3/14/18 7:44	MRL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B107 (0-3)

Sampled: 3/6/2018 09:50

Sample ID: 18C0391-27

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	200	0.65	mg/Kg dry	1		SW-846 6010C-D	3/14/18	3/15/18 16:17	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B107 (0-3)

Sampled: 3/6/2018 09:50

Sample ID: 18C0391-27

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.1		% Wt	1		SM 2540G	3/12/18	3/14/18 7:44	MRL



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B107 (6-9)

Sampled: 3/6/2018 09:55

Sample ID: 18C0391-28

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	770	0.60	mg/Kg dry	1		SW-846 6010C-D	3/14/18	3/15/18 16:22	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B107 (6-9)

Sampled: 3/6/2018 09:55

Sample ID: 18C0391-28

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.4		% Wt	1		SM 2540G	3/12/18	3/14/18 7:44	MRL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B110 (0-3)

Sampled: 3/6/2018 15:10

Sample ID: 18C0391-31

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	250	0.56	mg/Kg dry	1		SW-846 6010C-D	3/14/18	3/15/18 16:28	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B110 (0-3)

Sampled: 3/6/2018 15:10

Sample ID: 18C0391-31

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.1		% Wt	1		SM 2540G	3/12/18	3/14/18 7:44	MRL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B110 (3-6)

Sampled: 3/6/2018 15:15

Sample ID: 18C0391-32

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	510	0.67	mg/Kg dry	1		SW-846 6010C-D	3/14/18	3/15/18 16:33	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B110 (3-6)

Sampled: 3/6/2018 15:15

Sample ID: 18C0391-32

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	77.3		% Wt	1		SM 2540G	3/12/18	3/14/18 7:44	MRL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B111 (0-3)

Sampled: 3/6/2018 13:10

Sample ID: 18C0391-33

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	3/12/18	3/15/18 12:11	TG
Aroclor-1221 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	3/12/18	3/15/18 12:11	TG
Aroclor-1232 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	3/12/18	3/15/18 12:11	TG
Aroclor-1242 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	3/12/18	3/15/18 12:11	TG
Aroclor-1248 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	3/12/18	3/15/18 12:11	TG
Aroclor-1254 [1]	2.7	0.43	mg/Kg dry	20		SW-846 8082A	3/12/18	3/15/18 12:11	TG
Aroclor-1260 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	3/12/18	3/15/18 12:11	TG
Aroclor-1262 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	3/12/18	3/15/18 12:11	TG
Aroclor-1268 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	3/12/18	3/15/18 12:11	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		106	30-150					3/15/18 12:11	
Decachlorobiphenyl [2]		80.2	30-150					3/15/18 12:11	
Tetrachloro-m-xylene [1]		90.4	30-150					3/15/18 12:11	
Tetrachloro-m-xylene [2]		78.4	30-150					3/15/18 12:11	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B111 (0-3)

Sampled: 3/6/2018 13:10

Sample ID: 18C0391-33

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	18	0.52	mg/Kg dry	1		SW-846 6010C-D	3/14/18	3/15/18 18:02	QNW



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B111 (0-3)

Sampled: 3/6/2018 13:10

Sample ID: 18C0391-33

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.9		% Wt	1		SM 2540G	3/12/18	3/14/18 7:44	MRL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B111 (6-9)

Sampled: 3/6/2018 13:15

Sample ID: 18C0391-34

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 5:17	TG
Aroclor-1221 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 5:17	TG
Aroclor-1232 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 5:17	TG
Aroclor-1242 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 5:17	TG
Aroclor-1248 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 5:17	TG
Aroclor-1254 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 5:17	TG
Aroclor-1260 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 5:17	TG
Aroclor-1262 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 5:17	TG
Aroclor-1268 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	3/12/18	3/15/18 5:17	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		86.2	30-150					3/15/18 5:17	
Decachlorobiphenyl [2]		88.8	30-150					3/15/18 5:17	
Tetrachloro-m-xylene [1]		77.9	30-150					3/15/18 5:17	
Tetrachloro-m-xylene [2]		67.9	30-150					3/15/18 5:17	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B111 (6-9)

Sampled: 3/6/2018 13:15

Sample ID: 18C0391-34

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	190	0.62	mg/Kg dry	1		SW-846 6010C-D	3/14/18	3/15/18 18:07	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park - Somerville, MA

Sample Description:

Work Order: 18C0391

Date Received: 3/9/2018

Field Sample #: B111 (6-9)

Sampled: 3/6/2018 13:15

Sample ID: 18C0391-34

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.2		% Wt	1		SM 2540G	3/12/18	3/14/18 7:44	MRL

**Sample Extraction Data**

**Prep Method: SW-846 3546-MADEP-EPH-04-1.1**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18C0391-03 [B102 (0-3)]	B198696	20.4	2.00	03/12/18
18C0391-04 [B102 (3-6)]	B198696	20.6	2.00	03/12/18
18C0391-05 [B101 (0-3)]	B198696	20.7	2.00	03/12/18
18C0391-06 [B101 (6-9)]	B198696	20.2	2.00	03/12/18
18C0391-09 [DUP1]	B198696	20.2	2.00	03/12/18

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18C0391-01 [B105 (0-3)]	B198626	03/12/18
18C0391-02 [B105 (3-6)]	B198626	03/12/18
18C0391-03 [B102 (0-3)]	B198626	03/12/18
18C0391-04 [B102 (3-6)]	B198626	03/12/18
18C0391-05 [B101 (0-3)]	B198626	03/12/18
18C0391-06 [B101 (6-9)]	B198626	03/12/18
18C0391-07 [B106 (0-3)]	B198626	03/12/18
18C0391-08 [B106 (3-6)]	B198626	03/12/18
18C0391-11 [B113 (0-3)]	B198626	03/12/18
18C0391-12 [B113 (3-6)]	B198626	03/12/18
18C0391-13 [B114 (0-3)]	B198626	03/12/18
18C0391-14 [B114 (12-15)]	B198626	03/12/18
18C0391-15 [B112 (0-3)]	B198626	03/12/18
18C0391-16 [B112 (9-12)]	B198626	03/12/18
18C0391-17 [B104 (0-3)]	B198626	03/12/18
18C0391-18 [B104 (9-12)]	B198626	03/12/18
18C0391-21 [B108 (0-3)]	B198626	03/12/18
18C0391-22 [B108 (9-12)]	B198626	03/12/18
18C0391-23 [B103 (0-3)]	B198626	03/12/18
18C0391-24 [B103 (6-9)]	B198626	03/12/18
18C0391-25 [B109 (0-3)]	B198626	03/12/18
18C0391-26 [B109 (12-15)]	B198626	03/12/18
18C0391-27 [B107 (0-3)]	B198626	03/12/18
18C0391-28 [B107 (6-9)]	B198626	03/12/18
18C0391-31 [B110 (0-3)]	B198626	03/12/18
18C0391-32 [B110 (3-6)]	B198626	03/12/18
18C0391-33 [B111 (0-3)]	B198626	03/12/18
18C0391-34 [B111 (6-9)]	B198626	03/12/18

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18C0391-09 [DUP1]	B198751	03/14/18

**Prep Method: SW-846 3050B-SW-846 6010C-D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18C0391-01 [B105 (0-3)]	B198683	1.45	50.0	03/12/18
18C0391-02 [B105 (3-6)]	B198683	1.55	50.0	03/12/18
18C0391-03 [B102 (0-3)]	B198683	1.46	50.0	03/12/18
18C0391-04 [B102 (3-6)]	B198683	1.47	50.0	03/12/18
18C0391-05 [B101 (0-3)]	B198683	1.42	50.0	03/12/18

**Sample Extraction Data**

**Prep Method: SW-846 3050B-SW-846 6010C-D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18C0391-06 [B101 (6-9)]	B198683	1.46	50.0	03/12/18
18C0391-07 [B106 (0-3)]	B198683	1.45	50.0	03/12/18
18C0391-08 [B106 (3-6)]	B198683	1.46	50.0	03/12/18
18C0391-11 [B113 (0-3)]	B198683	1.52	50.0	03/12/18
18C0391-12 [B113 (3-6)]	B198683	1.46	50.0	03/12/18
18C0391-13 [B114 (0-3)]	B198683	1.58	50.0	03/12/18
18C0391-14 [B114 (12-15)]	B198683	1.50	50.0	03/12/18
18C0391-15 [B112 (0-3)]	B198683	1.47	50.0	03/12/18
18C0391-16 [B112 (9-12)]	B198683	1.46	50.0	03/12/18
18C0391-17 [B104 (0-3)]	B198683	1.51	50.0	03/12/18
18C0391-18 [B104 (9-12)]	B198683	1.54	50.0	03/12/18
18C0391-21 [B108 (0-3)]	B198683	1.46	50.0	03/12/18
18C0391-22 [B108 (9-12)]	B198683	1.45	50.0	03/12/18

**Prep Method: SW-846 3051-SW-846 6010C-D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18C0391-09 [DUP1]	B198788	1.46	50.0	03/14/18
18C0391-23 [B103 (0-3)]	B198788	1.47	50.0	03/14/18
18C0391-24 [B103 (6-9)]	B198788	1.47	50.0	03/14/18
18C0391-25 [B109 (0-3)]	B198788	1.41	50.0	03/14/18
18C0391-26 [B109 (12-15)]	B198788	1.52	50.0	03/14/18
18C0391-27 [B107 (0-3)]	B198788	1.42	50.0	03/14/18
18C0391-28 [B107 (6-9)]	B198788	1.45	50.0	03/14/18
18C0391-31 [B110 (0-3)]	B198788	1.51	50.0	03/14/18
18C0391-32 [B110 (3-6)]	B198788	1.44	50.0	03/14/18
18C0391-33 [B111 (0-3)]	B198788	1.56	50.0	03/14/18
18C0391-34 [B111 (6-9)]	B198788	1.46	50.0	03/14/18

**Prep Method: SW-846 3051-SW-846 6010C-D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18C0391-09RE1 [DUP1]	B198891	1.49	50.0	03/15/18

**Prep Method: SW-846 7471-SW-846 7471B**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18C0391-03 [B102 (0-3)]	B198646	0.582	50.0	03/12/18
18C0391-04 [B102 (3-6)]	B198646	0.589	50.0	03/12/18
18C0391-05 [B101 (0-3)]	B198646	0.590	50.0	03/12/18
18C0391-06 [B101 (6-9)]	B198646	0.627	50.0	03/12/18

**Prep Method: SW-846 7471-SW-846 7471B**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18C0391-09 [DUP1]	B198761	0.586	50.0	03/15/18

**Sample Extraction Data****Prep Method: SW-846 3540C-SW-846 8082A**

<b>Lab Number [Field ID]</b>	<b>Batch</b>	<b>Initial [g]</b>	<b>Final [mL]</b>	<b>Date</b>
18C0391-01 [B105 (0-3)]	B198677	10.6	10.0	03/12/18
18C0391-02 [B105 (3-6)]	B198677	10.1	10.0	03/12/18
18C0391-05 [B101 (0-3)]	B198677	10.3	10.0	03/12/18
18C0391-06 [B101 (6-9)]	B198677	10.5	10.0	03/12/18
18C0391-13 [B114 (0-3)]	B198677	10.0	10.0	03/12/18
18C0391-14 [B114 (12-15)]	B198677	10.5	10.0	03/12/18
18C0391-17 [B104 (0-3)]	B198677	10.6	10.0	03/12/18
18C0391-18 [B104 (9-12)]	B198677	10.1	10.0	03/12/18
18C0391-21 [B108 (0-3)]	B198677	10.2	10.0	03/12/18
18C0391-22 [B108 (9-12)]	B198677	10.2	10.0	03/12/18
18C0391-23 [B103 (0-3)]	B198677	10.4	10.0	03/12/18
18C0391-24 [B103 (6-9)]	B198677	10.0	10.0	03/12/18
18C0391-25 [B109 (0-3)]	B198677	10.5	10.0	03/12/18
18C0391-26 [B109 (12-15)]	B198677	10.6	10.0	03/12/18
18C0391-33 [B111 (0-3)]	B198677	10.2	10.0	03/12/18
18C0391-34 [B111 (6-9)]	B198677	10.0	10.0	03/12/18

**Prep Method: SW-846 3540C-SW-846 8082A**

<b>Lab Number [Field ID]</b>	<b>Batch</b>	<b>Initial [g]</b>	<b>Final [mL]</b>	<b>Date</b>
18C0391-09 [DUP1]	B198702	10.2	10.0	03/12/18

**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B198677 - SW-846 3540C</b>										
<b>Blank (B198677-BLK1)</b>										
Prepared: 03/12/18 Analyzed: 03/14/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.214		mg/Kg wet	0.200		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.183		mg/Kg wet	0.200		91.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.187		mg/Kg wet	0.200		93.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.183		mg/Kg wet	0.200		91.7	30-150			
<b>LCS (B198677-BS1)</b>										
Prepared: 03/12/18 Analyzed: 03/14/18										
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		96.2	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		93.6	40-140			
Aroclor-1260	0.20	0.020	mg/Kg wet	0.200		99.9	40-140			
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.200		87.7	40-140			
Surrogate: Decachlorobiphenyl	0.218		mg/Kg wet	0.200		109	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.184		mg/Kg wet	0.200		91.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.184		mg/Kg wet	0.200		92.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.180		mg/Kg wet	0.200		89.9	30-150			
<b>LCS Dup (B198677-BSD1)</b>										
Prepared: 03/12/18 Analyzed: 03/14/18										
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		97.5	40-140	1.24	30	
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		94.7	40-140	1.24	30	
Aroclor-1260	0.21	0.020	mg/Kg wet	0.200		103	40-140	3.38	30	
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.200		92.1	40-140	4.88	30	
Surrogate: Decachlorobiphenyl	0.225		mg/Kg wet	0.200		113	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.189		mg/Kg wet	0.200		94.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.182		mg/Kg wet	0.200		90.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.178		mg/Kg wet	0.200		89.2	30-150			



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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B198677 - SW-846 3540C</b>										
<b>Matrix Spike (B198677-MS1)</b>										
		<b>Source: 18C0391-01</b>			Prepared: 03/12/18 Analyzed: 03/15/18					
Aroclor-1016	0.45	0.092	mg/Kg dry	0.230	ND	196	* 40-140			MS-21
Aroclor-1016 [2C]	0.40	0.092	mg/Kg dry	0.230	ND	176	* 40-140			MS-21
Aroclor-1260	1.9	0.092	mg/Kg dry	0.230	ND	809	* 40-140			MS-21
Aroclor-1260 [2C]	3.4	0.092	mg/Kg dry	0.230	ND	1460	* 40-140			MS-21
Surrogate: Decachlorobiphenyl	0.259		mg/Kg dry	0.230		113	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.207		mg/Kg dry	0.230		89.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.217		mg/Kg dry	0.230		94.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.202		mg/Kg dry	0.230		87.8	30-150			
<b>Matrix Spike Dup (B198677-MSD1)</b>										
		<b>Source: 18C0391-01</b>			Prepared: 03/12/18 Analyzed: 03/15/18					
Aroclor-1016	0.41	0.091	mg/Kg dry	0.228	ND	179	* 40-140	9.81	50	MS-21
Aroclor-1016 [2C]	0.37	0.091	mg/Kg dry	0.228	ND	161	* 40-140	9.49	50	MS-21
Aroclor-1260	1.6	0.091	mg/Kg dry	0.228	ND	717	* 40-140	13.0	50	MS-21
Aroclor-1260 [2C]	3.1	0.091	mg/Kg dry	0.228	ND	1340	* 40-140	9.82	50	MS-21
Surrogate: Decachlorobiphenyl	0.235		mg/Kg dry	0.228		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.186		mg/Kg dry	0.228		81.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.200		mg/Kg dry	0.228		87.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.187		mg/Kg dry	0.228		82.0	30-150			
<b>Batch B198702 - SW-846 3540C</b>										
<b>Blank (B198702-BLK1)</b>										
		Prepared: 03/12/18 Analyzed: 03/15/18								
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.208		mg/Kg wet	0.200		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.220		mg/Kg wet	0.200		110	30-150			
Surrogate: Tetrachloro-m-xylene	0.156		mg/Kg wet	0.200		77.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.157		mg/Kg wet	0.200		78.5	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B198702 - SW-846 3540C**

**LCS (B198702-BS1)**

Prepared: 03/12/18 Analyzed: 03/15/18

Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		79.4	40-140			
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		84.2	40-140			
Aroclor-1260	0.14	0.020	mg/Kg wet	0.200		69.9	40-140			
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		77.0	40-140			
Surrogate: Decachlorobiphenyl	0.177		mg/Kg wet	0.200		88.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.190		mg/Kg wet	0.200		95.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.139		mg/Kg wet	0.200		69.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.138		mg/Kg wet	0.200		69.2	30-150			

**LCS Dup (B198702-BSD1)**

Prepared: 03/12/18 Analyzed: 03/15/18

Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		88.2	40-140	10.4	30	
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		94.4	40-140	11.5	30	
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		80.8	40-140	14.5	30	
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.200		88.9	40-140	14.3	30	
Surrogate: Decachlorobiphenyl	0.209		mg/Kg wet	0.200		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.226		mg/Kg wet	0.200		113	30-150			
Surrogate: Tetrachloro-m-xylene	0.158		mg/Kg wet	0.200		79.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.156		mg/Kg wet	0.200		77.8	30-150			

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**QUALITY CONTROL**

**Petroleum Hydrocarbons Analyses - EPH - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B198696 - SW-846 3546**

**Blank (B198696-BLK1)**

Prepared: 03/12/18 Analyzed: 03/14/18

C9-C18 Aliphatics	ND	10	mg/Kg wet							
C19-C36 Aliphatics	ND	10	mg/Kg wet							
Unadjusted C11-C22 Aromatics	ND	10	mg/Kg wet							
C11-C22 Aromatics	ND	10	mg/Kg wet							
Acenaphthene	ND	0.10	mg/Kg wet							
Acenaphthylene	ND	0.10	mg/Kg wet							R-05
Anthracene	ND	0.10	mg/Kg wet							
Benzo(a)anthracene	ND	0.10	mg/Kg wet							
Benzo(a)pyrene	ND	0.10	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.10	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.10	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.10	mg/Kg wet							
Chrysene	ND	0.10	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.10	mg/Kg wet							
Fluoranthene	ND	0.10	mg/Kg wet							
Fluorene	ND	0.10	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.10	mg/Kg wet							
2-Methylnaphthalene	ND	0.10	mg/Kg wet							R-05
Naphthalene	ND	0.10	mg/Kg wet							R-05
Phenanthrene	ND	0.10	mg/Kg wet							
Pyrene	ND	0.10	mg/Kg wet							
n-Decane	ND	0.10	mg/Kg wet							R-05
n-Docosane	ND	0.10	mg/Kg wet							
n-Dodecane	ND	0.10	mg/Kg wet							R-05
n-Eicosane	ND	0.10	mg/Kg wet							
n-Hexacosane	ND	0.10	mg/Kg wet							
n-Hexadecane	ND	0.10	mg/Kg wet							
n-Hexatriacontane	ND	0.10	mg/Kg wet							
n-Nonadecane	ND	0.10	mg/Kg wet							
n-Nonane	ND	0.10	mg/Kg wet							R-05
n-Octacosane	ND	0.10	mg/Kg wet							
n-Octadecane	ND	0.10	mg/Kg wet							
n-Tetracosane	ND	0.10	mg/Kg wet							
n-Tetradecane	ND	0.10	mg/Kg wet							R-05
n-Triacontane	ND	0.10	mg/Kg wet							
Naphthalene-aliphatic fraction	ND	0.10	mg/Kg wet							
2-Methylnaphthalene-aliphatic fraction	ND	0.10	mg/Kg wet							
Surrogate: Chlorooctadecane (COD)	4.01		mg/Kg wet	5.00		80.3	40-140			
Surrogate: o-Terphenyl (OTP)	4.43		mg/Kg wet	5.00		88.7	40-140			
Surrogate: 2-Bromonaphthalene	5.64		mg/Kg wet	5.03		112	40-140			
Surrogate: 2-Fluorobiphenyl	5.68		mg/Kg wet	5.01		113	40-140			

**LCS (B198696-BS1)**

Prepared: 03/12/18 Analyzed: 03/14/18

C9-C18 Aliphatics	26.5	10	mg/Kg wet	30.0		88.4	40-140			
C19-C36 Aliphatics	40.3	10	mg/Kg wet	40.0		101	40-140			
Acenaphthene	4.44	0.10	mg/Kg wet	5.00		88.7	40-140			
Acenaphthylene	4.37	0.10	mg/Kg wet	5.00		87.4	40-140			R-05
Anthracene	4.70	0.10	mg/Kg wet	5.00		94.0	40-140			
Benzo(a)anthracene	4.61	0.10	mg/Kg wet	5.00		92.2	40-140			
Benzo(a)pyrene	4.47	0.10	mg/Kg wet	5.00		89.3	40-140			
Benzo(b)fluoranthene	4.49	0.10	mg/Kg wet	5.00		89.7	40-140			
Benzo(g,h,i)perylene	4.49	0.10	mg/Kg wet	5.00		89.8	40-140			

QUALITY CONTROL

Petroleum Hydrocarbons Analyses - EPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B198696 - SW-846 3546

LCS (B198696-BS1)

Prepared: 03/12/18 Analyzed: 03/14/18

Benzo(k)fluoranthene	4.47	0.10	mg/Kg wet	5.00		89.4	40-140			
Chrysene	4.60	0.10	mg/Kg wet	5.00		92.0	40-140			
Dibenz(a,h)anthracene	4.65	0.10	mg/Kg wet	5.00		93.0	40-140			
Fluoranthene	4.63	0.10	mg/Kg wet	5.00		92.6	40-140			
Fluorene	4.45	0.10	mg/Kg wet	5.00		89.0	40-140			
Indeno(1,2,3-cd)pyrene	4.26	0.10	mg/Kg wet	5.00		85.1	40-140			
2-Methylnaphthalene	4.59	0.10	mg/Kg wet	5.00		91.7	40-140			R-05
Naphthalene	4.04	0.10	mg/Kg wet	5.00		80.8	40-140			R-05
Phenanthrene	4.71	0.10	mg/Kg wet	5.00		94.3	40-140			
Pyrene	4.64	0.10	mg/Kg wet	5.00		92.7	40-140			
n-Decane	3.37	0.10	mg/Kg wet	5.00		67.3	40-140			R-05
n-Docosane	4.65	0.10	mg/Kg wet	5.00		93.0	40-140			
n-Dodecane	3.90	0.10	mg/Kg wet	5.00		78.0	40-140			R-05
n-Eicosane	4.56	0.10	mg/Kg wet	5.00		91.2	40-140			
n-Hexacosane	4.61	0.10	mg/Kg wet	5.00		92.1	40-140			
n-Hexadecane	4.59	0.10	mg/Kg wet	5.00		91.8	40-140			
n-Hexatriacontane	4.19	0.10	mg/Kg wet	5.00		83.9	40-140			
n-Nonadecane	4.62	0.10	mg/Kg wet	5.00		92.4	40-140			
n-Nonane	2.61	0.10	mg/Kg wet	5.00		52.2	30-140			R-05
n-Octacosane	4.49	0.10	mg/Kg wet	5.00		89.9	40-140			
n-Octadecane	4.79	0.10	mg/Kg wet	5.00		95.8	40-140			
n-Tetracosane	4.63	0.10	mg/Kg wet	5.00		92.6	40-140			
n-Tetradecane	4.39	0.10	mg/Kg wet	5.00		87.8	40-140			R-05
n-Triacontane	4.37	0.10	mg/Kg wet	5.00		87.4	40-140			
Naphthalene-aliphatic fraction	ND	0.10	mg/Kg wet	5.00			0-5			
2-Methylnaphthalene-aliphatic fraction	ND	0.10	mg/Kg wet	5.00			0-5			
Surrogate: Chlorooctadecane (COD)	4.31		mg/Kg wet	5.00		86.3	40-140			
Surrogate: o-Terphenyl (OTP)	4.56		mg/Kg wet	5.00		91.2	40-140			
Surrogate: 2-Bromonaphthalene	5.20		mg/Kg wet	5.03		103	40-140			
Surrogate: 2-Fluorobiphenyl	5.29		mg/Kg wet	5.01		106	40-140			

LCS Dup (B198696-BSD1)

Prepared: 03/12/18 Analyzed: 03/14/18

C9-C18 Aliphatics	21.4	10	mg/Kg wet	30.0		71.3	40-140	21.4	25	
C19-C36 Aliphatics	36.9	10	mg/Kg wet	40.0		92.3	40-140	8.72	25	
Acenaphthene	3.50	0.10	mg/Kg wet	5.00		70.1	40-140	23.5	25	
Acenaphthylene	3.37	0.10	mg/Kg wet	5.00		67.4	40-140	25.9 *	25	R-05
Anthracene	4.13	0.10	mg/Kg wet	5.00		82.6	40-140	12.9	25	
Benzo(a)anthracene	4.16	0.10	mg/Kg wet	5.00		83.3	40-140	10.2	25	
Benzo(a)pyrene	4.08	0.10	mg/Kg wet	5.00		81.6	40-140	9.10	25	
Benzo(b)fluoranthene	4.12	0.10	mg/Kg wet	5.00		82.3	40-140	8.63	25	
Benzo(g,h,i)perylene	4.08	0.10	mg/Kg wet	5.00		81.5	40-140	9.65	25	
Benzo(k)fluoranthene	4.05	0.10	mg/Kg wet	5.00		81.0	40-140	9.87	25	
Chrysene	4.14	0.10	mg/Kg wet	5.00		82.7	40-140	10.6	25	
Dibenz(a,h)anthracene	4.22	0.10	mg/Kg wet	5.00		84.3	40-140	9.75	25	
Fluoranthene	4.17	0.10	mg/Kg wet	5.00		83.5	40-140	10.3	25	
Fluorene	3.70	0.10	mg/Kg wet	5.00		74.0	40-140	18.3	25	
Indeno(1,2,3-cd)pyrene	3.89	0.10	mg/Kg wet	5.00		77.8	40-140	8.95	25	
2-Methylnaphthalene	3.37	0.10	mg/Kg wet	5.00		67.3	40-140	30.7 *	25	R-05
Naphthalene	2.93	0.10	mg/Kg wet	5.00		58.7	40-140	31.8 *	25	R-05
Phenanthrene	4.14	0.10	mg/Kg wet	5.00		82.8	40-140	13.0	25	
Pyrene	4.19	0.10	mg/Kg wet	5.00		83.8	40-140	10.1	25	
n-Decane	2.39	0.10	mg/Kg wet	5.00		47.8	40-140	33.9 *	25	R-05

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**QUALITY CONTROL**

**Petroleum Hydrocarbons Analyses - EPH - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B198696 - SW-846 3546</b>										
<b>LCS Dup (B198696-BSD1)</b>										
					Prepared: 03/12/18 Analyzed: 03/14/18					
n-Docosane	4.23	0.10	mg/Kg wet	5.00		84.5	40-140	9.49	25	
n-Dodecane	2.77	0.10	mg/Kg wet	5.00		55.4	40-140	<b>33.8</b>	*	25 R-05
n-Eicosane	4.25	0.10	mg/Kg wet	5.00		85.0	40-140	7.04	25	
n-Hexacosane	4.14	0.10	mg/Kg wet	5.00		82.9	40-140	10.6	25	
n-Hexadecane	3.95	0.10	mg/Kg wet	5.00		79.0	40-140	14.9	25	
n-Hexatriacontane	3.78	0.10	mg/Kg wet	5.00		75.6	40-140	10.4	25	
n-Nonadecane	4.20	0.10	mg/Kg wet	5.00		84.0	40-140	9.56	25	
n-Nonane	1.81	0.10	mg/Kg wet	5.00		36.1	30-140	<b>36.4</b>	*	25 R-05
n-Octacosane	4.04	0.10	mg/Kg wet	5.00		80.8	40-140	10.7	25	
n-Octadecane	4.32	0.10	mg/Kg wet	5.00		86.4	40-140	10.3	25	
n-Tetracosane	4.18	0.10	mg/Kg wet	5.00		83.6	40-140	10.3	25	
n-Tetradecane	3.34	0.10	mg/Kg wet	5.00		66.9	40-140	<b>27.1</b>	*	25 R-05
n-Triacontane	3.93	0.10	mg/Kg wet	5.00		78.6	40-140	10.6	25	
Naphthalene-aliphatic fraction	ND	0.10	mg/Kg wet	5.00			0-5			
2-Methylnaphthalene-aliphatic fraction	ND	0.10	mg/Kg wet	5.00			0-5			
Surrogate: Chlorooctadecane (COD)	3.84		mg/Kg wet	5.00		76.8	40-140			
Surrogate: o-Terphenyl (OTP)	4.00		mg/Kg wet	5.00		79.9	40-140			
Surrogate: 2-Bromonaphthalene	4.86		mg/Kg wet	5.03		96.6	40-140			
Surrogate: 2-Fluorobiphenyl	4.96		mg/Kg wet	5.01		99.0	40-140			

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**QUALITY CONTROL**

**Metals Analyses (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B198646 - SW-846 7471</b>										
<b>Blank (B198646-BLK1)</b> Prepared: 03/12/18 Analyzed: 03/14/18										
Mercury	ND	0.025	mg/Kg wet							
<b>LCS (B198646-BS1)</b> Prepared: 03/12/18 Analyzed: 03/14/18										
Mercury	9.96	2.0	mg/Kg wet	9.36		106	73.7-126.3			
<b>LCS Dup (B198646-BSD1)</b> Prepared: 03/12/18 Analyzed: 03/14/18										
Mercury	10.3	1.9	mg/Kg wet	9.36		110	73.7-126.3	3.30	30	
<b>Batch B198683 - SW-846 3050B</b>										
<b>Blank (B198683-BLK1)</b> Prepared: 03/12/18 Analyzed: 03/15/18										
Antimony	ND	1.7	mg/Kg wet							
Arsenic	ND	1.7	mg/Kg wet							
Barium	ND	1.7	mg/Kg wet							
Beryllium	ND	0.17	mg/Kg wet							
Cadmium	ND	0.17	mg/Kg wet							
Chromium	ND	0.33	mg/Kg wet							
Lead	ND	0.50	mg/Kg wet							
Nickel	ND	0.33	mg/Kg wet							
Selenium	ND	3.3	mg/Kg wet							
Silver	ND	0.33	mg/Kg wet							
Thallium	ND	1.7	mg/Kg wet							
Vanadium	ND	0.67	mg/Kg wet							
Zinc	ND	0.67	mg/Kg wet							
<b>LCS (B198683-BS1)</b> Prepared: 03/12/18 Analyzed: 03/15/18										
Antimony	57.3	5.0	mg/Kg wet	65.1		88.0	3.8-212			
Arsenic	131	5.0	mg/Kg wet	147		89.2	83-117			
Barium	284	5.0	mg/Kg wet	314		90.4	82.2-117.8			
Beryllium	51.4	0.50	mg/Kg wet	53.4		96.2	82.8-117.2			
Cadmium	174	0.50	mg/Kg wet	193		90.1	82.4-117.6			
Chromium	74.2	1.0	mg/Kg wet	82.6		89.9	81.8-118.2			
Lead	80.8	1.5	mg/Kg wet	92.3		87.6	82.8-117			
Nickel	125	1.0	mg/Kg wet	137		91.1	82.5-118.2			
Selenium	168	10	mg/Kg wet	187		89.6	79.1-121.4			
Silver	34.1	1.0	mg/Kg wet	40.7		83.7	79.6-120.4			
Thallium	144	5.0	mg/Kg wet	153		94.3	81-119			
Vanadium	79.9	2.0	mg/Kg wet	86.6		92.2	77.6-122.4			
Zinc	172	2.0	mg/Kg wet	189		90.8	79.9-120.1			
<b>LCS Dup (B198683-BSD1)</b> Prepared: 03/12/18 Analyzed: 03/15/18										
Antimony	62.1	5.0	mg/Kg wet	65.1		95.4	3.8-212	8.07	30	
Arsenic	137	5.0	mg/Kg wet	147		93.4	83-117	4.57	30	
Barium	321	5.0	mg/Kg wet	314		102	82.2-117.8	12.3	30	
Beryllium	53.9	0.50	mg/Kg wet	53.4		101	82.8-117.2	4.88	30	
Cadmium	186	0.50	mg/Kg wet	193		96.5	82.4-117.6	6.89	30	
Chromium	78.3	0.99	mg/Kg wet	82.6		94.8	81.8-118.2	5.37	30	
Lead	87.1	1.5	mg/Kg wet	92.3		94.4	82.8-117	7.53	30	
Nickel	133	0.99	mg/Kg wet	137		96.8	82.5-118.2	6.00	30	
Selenium	176	9.9	mg/Kg wet	187		94.1	79.1-121.4	4.88	30	
Silver	36.3	0.99	mg/Kg wet	40.7		89.1	79.6-120.4	6.18	30	
Thallium	156	5.0	mg/Kg wet	153		102	81-119	7.61	30	
Vanadium	85.5	2.0	mg/Kg wet	86.6		98.8	77.6-122.4	6.88	30	
Zinc	185	2.0	mg/Kg wet	189		98.0	79.9-120.1	7.56	30	

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**QUALITY CONTROL**

**Metals Analyses (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B198683 - SW-846 3050B**

<b>Duplicate (B198683-DUP1)</b>		<b>Source: 18C0391-06</b>			Prepared: 03/12/18 Analyzed: 03/15/18					
Antimony	ND	2.0	mg/Kg dry		ND			NC	35	
Arsenic	ND	2.0	mg/Kg dry		ND			NC	35	
Barium	14.5	2.0	mg/Kg dry		15.0			3.63	35	
Beryllium	ND	0.20	mg/Kg dry		ND			NC	35	
Cadmium	ND	0.20	mg/Kg dry		ND			NC	35	
Chromium	10.1	0.41	mg/Kg dry		10.0			0.802	35	
Lead	4.27	0.61	mg/Kg dry		4.24			0.680	35	
Nickel	8.05	0.41	mg/Kg dry		8.19			1.64	35	
Selenium	ND	4.1	mg/Kg dry		ND			NC	35	
Silver	ND	0.41	mg/Kg dry		ND			NC	35	
Thallium	ND	2.0	mg/Kg dry		ND			NC	35	
Vanadium	17.0	0.82	mg/Kg dry		16.4			3.77	35	
Zinc	36.0	0.82	mg/Kg dry		34.7			3.55	35	

**MRL Check (B198683-MRL1)**

					Prepared: 03/12/18 Analyzed: 03/15/18					
Lead	0.489	0.48	mg/Kg wet	0.483		101		80-120		

**Matrix Spike (B198683-MS1)**

		<b>Source: 18C0391-06</b>			Prepared: 03/12/18 Analyzed: 03/15/18					
Antimony	12.1	2.0	mg/Kg dry	19.6	1.98	51.7	*	75-125		MS-07
Arsenic	20.9	2.0	mg/Kg dry	19.6	1.40	99.5		75-125		
Barium	35.4	2.0	mg/Kg dry	19.6	15.0	104		75-125		
Beryllium	20.1	0.20	mg/Kg dry	19.6	ND	103		75-125		
Cadmium	20.1	0.20	mg/Kg dry	19.6	0.123	102		75-125		
Chromium	30.1	0.39	mg/Kg dry	19.6	10.0	103		75-125		
Lead	23.6	0.59	mg/Kg dry	19.6	4.24	98.8		75-125		
Nickel	27.8	0.39	mg/Kg dry	19.6	8.19	99.9		75-125		
Selenium	17.5	3.9	mg/Kg dry	19.6	ND	89.1		75-125		
Silver	17.7	0.39	mg/Kg dry	19.6	ND	90.4		75-125		
Thallium	23.4	2.0	mg/Kg dry	19.6	ND	119		75-125		
Vanadium	36.4	0.78	mg/Kg dry	19.6	16.4	102		75-125		
Zinc	74.3	0.78	mg/Kg dry	39.2	34.7	101		75-125		

**Batch B198761 - SW-846 7471**

**Blank (B198761-BLK1)**

					Prepared & Analyzed: 03/15/18					
Mercury	ND	0.025	mg/Kg wet							R-05

**LCS (B198761-BS1)**

					Prepared & Analyzed: 03/15/18					
Mercury	11.7	2.0	mg/Kg wet	9.36		125		73.7-126.3		R-05

**LCS Dup (B198761-BSD1)**

					Prepared & Analyzed: 03/15/18					
Mercury	8.50	2.0	mg/Kg wet	9.36		90.8		73.7-126.3	31.8	* 30 R-05

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**QUALITY CONTROL**

**Metals Analyses (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B198788 - SW-846 3051**

**Blank (B198788-BLK1)**

Prepared: 03/14/18 Analyzed: 03/15/18

Antimony	ND	1.7	mg/Kg wet							
Arsenic	ND	1.7	mg/Kg wet							
Barium	ND	1.7	mg/Kg wet							
Beryllium	ND	0.17	mg/Kg wet							
Cadmium	ND	0.17	mg/Kg wet							
Chromium	ND	0.33	mg/Kg wet							
Lead	ND	0.50	mg/Kg wet							
Nickel	ND	0.33	mg/Kg wet							
Selenium	ND	3.3	mg/Kg wet							
Silver	ND	0.33	mg/Kg wet							
Thallium	ND	1.7	mg/Kg wet							
Vanadium	ND	0.67	mg/Kg wet							
Zinc	ND	0.67	mg/Kg wet							

**LCS (B198788-BS1)**

Prepared: 03/14/18 Analyzed: 03/15/18

Antimony	115	4.9	mg/Kg wet	65.1		176	3.8-212			
Arsenic	137	4.9	mg/Kg wet	147		93.5	83-117			
Barium	273	4.9	mg/Kg wet	314		87.0	82.2-117.8			
Beryllium	53.5	0.49	mg/Kg wet	53.4		100	82.8-117.2			
Cadmium	179	0.49	mg/Kg wet	193		92.6	82.4-117.6			
Chromium	73.0	0.98	mg/Kg wet	82.6		88.4	81.8-118.2			
Lead	84.7	1.5	mg/Kg wet	92.3		91.7	82.8-117			
Nickel	130	0.98	mg/Kg wet	137		95.0	82.5-118.2			
Selenium	177	9.8	mg/Kg wet	187		94.9	79.1-121.4			
Silver	34.2	0.98	mg/Kg wet	40.7		84.1	79.6-120.4			
Thallium	143	4.9	mg/Kg wet	153		93.3	81-119			
Vanadium	78.4	2.0	mg/Kg wet	86.6		90.5	77.6-122.4			
Zinc	181	2.0	mg/Kg wet	189		95.9	79.9-120.1			

**LCS Dup (B198788-BSD1)**

Prepared: 03/14/18 Analyzed: 03/15/18

Antimony	124	5.0	mg/Kg wet	65.1		191	3.8-212	8.13	30	
Arsenic	150	5.0	mg/Kg wet	147		102	83-117	8.62	30	
Barium	296	5.0	mg/Kg wet	314		94.3	82.2-117.8	8.03	30	
Beryllium	56.3	0.50	mg/Kg wet	53.4		105	82.8-117.2	5.07	30	
Cadmium	192	0.50	mg/Kg wet	193		99.5	82.4-117.6	7.19	30	
Chromium	78.4	1.0	mg/Kg wet	82.6		94.9	81.8-118.2	7.08	30	
Lead	89.9	1.5	mg/Kg wet	92.3		97.4	82.8-117	6.03	30	
Nickel	139	1.0	mg/Kg wet	137		102	82.5-118.2	6.84	30	
Selenium	190	10	mg/Kg wet	187		102	79.1-121.4	7.04	30	
Silver	36.7	1.0	mg/Kg wet	40.7		90.2	79.6-120.4	6.91	30	
Thallium	151	5.0	mg/Kg wet	153		98.8	81-119	5.74	30	
Vanadium	84.1	2.0	mg/Kg wet	86.6		97.1	77.6-122.4	7.04	30	
Zinc	193	2.0	mg/Kg wet	189		102	79.9-120.1	6.00	30	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**QUALITY CONTROL**

**Metals Analyses (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B198788 - SW-846 3051**

**Duplicate (B198788-DUP1)**

**Source: 18C0391-09**

Prepared: 03/14/18 Analyzed: 03/15/18

Antimony	2.45	1.9	mg/Kg dry		3.05			22.0	35	
Arsenic	5.43	1.9	mg/Kg dry		6.40			16.4	35	
Beryllium	0.314	0.19	mg/Kg dry		0.286			9.47	35	
Cadmium	0.483	0.19	mg/Kg dry		0.564			15.5	35	
Chromium	16.1	0.39	mg/Kg dry		19.0			17.0	35	
Nickel	11.5	0.39	mg/Kg dry		13.4			15.3	35	
Selenium	ND	3.9	mg/Kg dry		ND			NC	35	
Silver	ND	0.39	mg/Kg dry		ND			NC	35	
Thallium	ND	1.9	mg/Kg dry		ND			NC	35	
Vanadium	18.4	0.78	mg/Kg dry		21.2			14.5	35	
Zinc	193	0.78	mg/Kg dry		236			20.1	35	

**MRL Check (B198788-MRL1)**

Prepared: 03/14/18 Analyzed: 03/15/18

Lead	0.587	0.50	mg/Kg wet	0.500		118	80-120			
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**Matrix Spike (B198788-MS1)**

**Source: 18C0391-09**

Prepared: 03/14/18 Analyzed: 03/15/18

Antimony	22.3	1.9	mg/Kg dry	19.4	3.05	99.0	75-125			
Arsenic	26.4	1.9	mg/Kg dry	19.4	6.40	103	75-125			
Beryllium	21.1	0.19	mg/Kg dry	19.4	0.286	107	75-125			
Cadmium	20.6	0.19	mg/Kg dry	19.4	0.564	103	75-125			
Chromium	37.2	0.39	mg/Kg dry	19.4	19.0	93.8	75-125			
Nickel	30.7	0.39	mg/Kg dry	19.4	13.4	88.9	75-125			
Selenium	17.6	3.9	mg/Kg dry	19.4	ND	90.7	75-125			
Silver	17.7	0.39	mg/Kg dry	19.4	ND	91.3	75-125			
Thallium	23.3	1.9	mg/Kg dry	19.4	ND	120	75-125			
Vanadium	40.5	0.78	mg/Kg dry	19.4	21.2	99.4	75-125			
Zinc	257	0.78	mg/Kg dry	38.8	236	<b>53.9</b> *	75-125			MS-19

**Batch B198891 - SW-846 3051**

**Blank (B198891-BLK1)**

Prepared: 03/15/18 Analyzed: 03/16/18

Barium	ND	1.7	mg/Kg wet							
Lead	ND	0.50	mg/Kg wet							

**LCS (B198891-BS1)**

Prepared: 03/15/18 Analyzed: 03/16/18

Barium	294	5.1	mg/Kg wet	314		93.5	82.2-117.8			
Lead	87.8	1.5	mg/Kg wet	92.3		95.1	82.8-117			

**LCS Dup (B198891-BSD1)**

Prepared: 03/15/18 Analyzed: 03/16/18

Barium	303	5.1	mg/Kg wet	314		96.6	82.2-117.8	3.24	30	
Lead	92.3	1.5	mg/Kg wet	92.3		100	82.8-117	4.96	30	

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**QUALITY CONTROL**

**Metals Analyses (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B198891 - SW-846 3051</b>										
<b>Duplicate (B198891-DUP1)</b>										
		<b>Source: 18C0391-09RE1</b>			Prepared: 03/15/18		Analyzed: 03/16/18			
Barium	23.8	2.0	mg/Kg dry		30.5			24.8	35	
Lead	131	0.60	mg/Kg dry		159			18.9	35	
<b>MRL Check (B198891-MRL1)</b>										
					Prepared: 03/15/18		Analyzed: 03/16/18			
Lead	0.561	0.50	mg/Kg wet	0.497		113	80-120			
<b>Matrix Spike (B198891-MS1)</b>										
		<b>Source: 18C0391-09RE1</b>			Prepared: 03/15/18		Analyzed: 03/16/18			
Barium	52.8	1.9	mg/Kg dry	19.1	30.5	116	75-125			
Lead	209	0.57	mg/Kg dry	19.1	159	262 *	75-125			MS-19

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**QUALITY CONTROL**

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B198626 - % Solids</b>										
<b>Duplicate (B198626-DUP3)</b>	<b>Source: 18C0391-01</b>			Prepared: 03/12/18 Analyzed: 03/14/18						
% Solids	87.3		% Wt		86.8			0.536	20	
<b>Duplicate (B198626-DUP4)</b>	<b>Source: 18C0391-21</b>			Prepared: 03/12/18 Analyzed: 03/14/18						
% Solids	86.6		% Wt		86.3			0.398	20	

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B105 (0-3)**

*SW-846 8082A*

Lab Sample ID: 18C0391-01 Date(s) Analyzed: 03/15/2018 03/15/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	4.8	
	2	0.000	-0.030	0.030	4.2	13.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B105 (3-6)**

*SW-846 8082A*

Lab Sample ID: 18C0391-02 Date(s) Analyzed: 03/15/2018 03/15/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	5900	
	2	0.000	-0.030	0.030	5000	16.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

<b>B101 (0-3)</b>
-------------------

Lab Sample ID: 18C0391-05 Date(s) Analyzed: 03/15/2018 03/15/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.16	27.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

<b>DUP1</b>
-------------

Lab Sample ID: 18C0391-09 Date(s) Analyzed: 03/16/2018 03/16/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	3.7	
	2	0.000	-0.030	0.030	4.4	17.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B104 (0-3)**

Lab Sample ID: 18C0391-17 Date(s) Analyzed: 03/15/2018 03/15/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	7.1	
	2	0.000	-0.030	0.030	6.5	8.8



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B104 (9-12)**

*SW-846 8082A*

Lab Sample ID: 18C0391-18 Date(s) Analyzed: 03/15/2018 03/15/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.27	
	2	0.000	-0.030	0.030	0.23	16.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

<b>B108 (0-3)</b>
-------------------

Lab Sample ID: 18C0391-21 Date(s) Analyzed: 03/15/2018 03/15/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	8.3	
	2	0.000	-0.030	0.030	7.5	10.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B108 (9-12)**

Lab Sample ID: 18C0391-22 Date(s) Analyzed: 03/15/2018 03/15/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.78	
	2	0.000	-0.030	0.030	0.66	16.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

<b>B103 (0-3)</b>
-------------------

Lab Sample ID: 18C0391-23 Date(s) Analyzed: 03/15/2018 03/15/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	6.3	
	2	0.000	-0.030	0.030	5.4	15.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B109 (0-3)**

Lab Sample ID: 18C0391-25 Date(s) Analyzed: 03/15/2018 03/15/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	5.8	
	2	0.000	-0.030	0.030	5.0	14.8

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

**B109 (12-15)**

Lab Sample ID: 18C0391-26 Date(s) Analyzed: 03/15/2018 03/15/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.22	
	2	0.000	-0.030	0.030	0.20	14.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

<b>B111 (0-3)</b>
-------------------

Lab Sample ID: 18C0391-33 Date(s) Analyzed: 03/15/2018 03/15/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.7	
	2	0.000	-0.030	0.030	2.3	16.0

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
MS-07	Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated.
MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.
MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
O-32	A dilution was performed as part of the standard analytical procedure.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.



**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<b>MADEP-EPH-04-1.1 in Soil</b>	
C9-C18 Aliphatics	CT,NC,ME,NH-P
C19-C36 Aliphatics	CT,NC,ME,NH-P
Unadjusted C11-C22 Aromatics	CT,NC,ME,NH-P
C11-C22 Aromatics	CT,NC,ME,NH-P
Acenaphthene	CT,NC,ME,NH-P
Acenaphthylene	CT,NC,ME,NH-P
Anthracene	CT,NC,ME,NH-P
Benzo(a)anthracene	CT,NC,ME,NH-P
Benzo(a)pyrene	CT,NC,ME,NH-P
Benzo(b)fluoranthene	CT,NC,ME,NH-P
Benzo(g,h,i)perylene	CT,NC,ME,NH-P
Benzo(k)fluoranthene	CT,NC,ME,NH-P
Chrysene	CT,NC,ME,NH-P
Dibenz(a,h)anthracene	CT,NC,ME,NH-P
Fluoranthene	CT,NC,ME,NH-P
Fluorene	CT,NC,ME
Indeno(1,2,3-cd)pyrene	CT,NC,ME,NH-P
2-Methylnaphthalene	CT,NC
Naphthalene	CT,NC,ME,NH-P
Phenanthrene	CT,NC,ME,NH-P
Pyrene	CT,NC,ME,NH-P
<b>SW-846 6010C-D in Soil</b>	
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,AIHA,ME,VA,NC
Nickel	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Thallium	CT,NH,NY,ME,VA,NC
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
<b>SW-846 7471B in Soil</b>	
Mercury	CT,NH,NY,NC,ME,VA
<b>SW-846 8082A in Soil</b>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<i>SW-846 8082A in Soil</i>	
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

Phone: 413-525-2332  
 Fax: 413-525-6405

Email: info@contestlabs.com

39 Spruce Street  
 East Longmeadow, MA 01028

Page \_\_\_ of \_\_\_

Address: **5 Centerville Dr,  
 1-800-SAMPSON/  
 Weston + Sampson  
 Conway Park  
 Somerville, MA**

Project Number:

Project Manager:

Con-Test Quote Name/Number:

Invoice Recipient: **Taylor Smith**

Sampled By: **"**

Requested Turnaround Time  
 7-Day  10-Day

Due Date:

Push Approval Required  
 1-Day  3-Day   
 2-Day  4-Day

Format: PDF  EXCEL

Other:

CLP Like Data Pkg Required:

Email To: **Smith@owseinc.com**

Fax To #:

Con-Test Work Order	Client Sample ID / Description	Sample Date	Analysis Date	Analysis Time	Analysis Location	Analysis Method	Analysis Code	Analysis Unit
1	B105 (0-3)	3/6/18	3/6/18	9:15	S	Lead	✓	✓
2	B105 (3-6)	"	"	9:25	S	Lead	✓	✓
3	B102 (0-3)	3/7/18	3/7/18	9:00	S	Lead	✓	✓
4	B102 (3-6)	"	"	9:15	S	Lead	✓	✓
5	B101 (0-3)	"	"	10:00	S	Lead	✓	✓
6	B101 (6-9)	"	"	10:10	S	Lead	✓	✓
7	B106 (0-3)	"	"	11:20	S	Lead	✓	✓
8	B106 (3-6)	"	"	11:30	S	Lead	✓	✓
9	DUP1							
10	DUP2							

Analyze DUP-1 for MCP metals, EPH & NPCBs. All other DUPs not being analyzed - MEK 3/13/2018

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) **[Signature]** Date/Time: **3/13/18 10:41**

Received by: (signature) **[Signature]** Date/Time: **3/13/18 10:40**

Relinquished by: (signature) **[Signature]** Date/Time: **3/13/18 12:45**

Received by: (signature) **[Signature]** Date/Time: **3/13/18 12:45**

Relinquished by: (signature) **[Signature]** Date/Time: **3/13/18 12:45**

Received by: (signature) **[Signature]** Date/Time: **3/13/18 12:45**

Special Requirements

MA MCP Required

MCP Certification Form Required

CT RCP Required

RCP Certification Form Required

MA State DWP Required

Project Entity

Government  Municipality  MWRA  WRTA  Other

Federal  21 J  School  Chromatogram

City  Brownfield  MBTA  Non Soxhlet

**con-test**  
 ANALYTICAL LABORATORY  
 www.contestlabs.com



Phone: 413-525-2332  
 Fax: 413-525-6405

Email: info@contestlabs.com

Address: 5 Centennial Dr.  
 Weston + Sampson  
 1-800-SHARPS  
 Conroy Park  
 Somerville, MA

Project Location: Somerville, MA

Project Number:

Project Manager:

Con-Test Quote Name/Number:

Invoice Recipient: Taylor Smith

Sampled By: Taylor Smith

CLP Like Data Pkg Required:

Email To: SAITH@WSEINC.COM

Fax To #:

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street  
 East Longmeadow, MA 01028

Page \_\_\_ of \_\_\_

Requested Turnaround Time  
 7-Day  10-Day

Due Date:

Push Approval Required  
 1-Day  3-Day   
 2-Day  4-Day

Data Delivery  
 Format: PDF  EXCEL

Other:

ANALYSIS REQUESTED

**1 Matrix Codes:**  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

**2 Preservation Codes:**  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

**3 Container Codes:**  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Summa Canister  
 T = Teclor Bag  
 O = Other (please define)

**4 Dissolved Metals Samples:**  
 Field Filtered  
 Lab to Filter

**5 Organic/Inorganic Samples:**  
 Field Filtered  
 Lab to Filter

Con-Test Work Order #	Client Sample ID / Description	Priority	Sample Date/Time	Component	Container	Pres. Code	Matrix Code	Analysis Requested
1	B113 (0-3)	3/6/18	12:30	Lead	5			
2	B113 (3-6)	"	12:35					
3	B114 (0-3)	"	1445					
4	B114 (12-15)	"	1500					
5	B112 (0-3)	"	1340					
6	B112 (9-12)	"	1350					
7	B104 (0-3)	3/7/18	1140					
8	B104 (9-12)	"	1150					
9	DUP3							
10	DUP4							

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) *[Signature]* Date/Time: 3/18 10:20

Received by: (signature) *[Signature]* Date/Time: 3/18 10:20

Relinquished by: (signature) *[Signature]* Date/Time: 3/18 12:45

Received by: (signature) *[Signature]* Date/Time: 3/18 12:45

Relinquished by: (signature) *[Signature]* Date/Time: 3/19/18 12:45

Received by: (signature) *[Signature]* Date/Time: 3/19/18 12:45

**Special Requirements**

MA MCP Required

MCP Certification Form Required

CT RCP Required

RCP Certification Form Required

46A State DNR Required

PMSID #

**Project Entity**

Government  Municipality  WRIA  Other

Federal  21 J  MBWA  School

City  Brownfield  MBTA

Chromatogram

AHFA-LAP, LLC











Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False**

Client Weston + Sampson

Received By SE Date 3/9/18 Time 1245

How were the samples received? In Cooler T No Cooler \_\_\_\_\_ On Ice T No Ice \_\_\_\_\_  
 Direct from Sampling \_\_\_\_\_ Ambient \_\_\_\_\_ Melted Ice \_\_\_\_\_

Were samples within Temperature? 2-6°C T By Gun # 577 Actual Temp - 4.5  
 By Blank # \_\_\_\_\_ Actual Temp - \_\_\_\_\_

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A  
 Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in Ink/Legible? T Were samples received within holding time? T  
 Did COC include all pertinent Information? Client T Analysis T Sampler Name T  
 Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? \_\_\_\_\_

Are there Rushes? F Who was notified? \_\_\_\_\_

Are there Short Holds? F Who was notified? \_\_\_\_\_

Is there enough Volume? T

Is there Headspace where applicable? N/A MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? N/A

Do all samples have the proper pH? N/A Acid \_\_\_\_\_ Base \_\_\_\_\_

Media	Containers	Media	Containers
Unp-	1 Liter Amb.	1 Liter Plastic	16 oz Amb.
HCL-	500 mL Amb.	500 mL Plastic	8oz Amb/Clear
Meoh-	250 mL Amb.	250 mL Plastic	4oz Amb/Clear SE 88 50
Bisulfate-	Col./Bacteria	Flashpoint	2oz Amb/Clear
DI-	Other Plastic	Other Glass	Encore
Thiosulfate-	SOC Kit	Plastic Bag	Frozen:
Sulfuric-	Perchlorate	Ziplock	

**Unused Media**

Media	Containers	Media	Containers
Unp-	1 Liter Amb.	1 Liter Plastic	16 oz Amb.
HCL-	500 mL Amb.	500 mL Plastic	8oz Amb/Clear
Meoh-	250 mL Amb.	250 mL Plastic	4oz Amb/Clear
Bisulfate-	Col./Bacteria	Flashpoint	2oz Amb/Clear
DI-	Other Plastic	Other Glass	Encore
Thiosulfate-	SOC Kit	Plastic Bag	Frozen:
Sulfuric-	Perchlorate	Ziplock	

Comments:

## MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Con-Test Analytical Laboratory	Project #: 18C0391
Project Location: Conway Park - Somerville, MA	RTN:

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]

18C0391-01 thru 18C0391-34

Matrices: Soil

**CAM Protocol (check all that below)**

8260 VOC CAM II A ( )	7470/7471 Hg CAM IIIB (X)	MassDEP VPH CAM IV A ( )	8081 Pesticides CAM V B ( )	7196 Hex Cr CAM VI B ( )	MassDEP APH CAM IX A ( )
8270 SVOC CAM II B ( )	7010 Metals CAM III C ( )	MassDEP EPH CAM IV A (X)	8151 Herbicides CAM V C ( )	8330 Explosives CAM VIII A ( )	TO-15 VOC CAM IX B ( )
6010 Metals CAM III A (X)	6020 Metals CAM III D ( )	8082 PCB CAM V A (X)	9014 Total Cyanide/PAC CAM VI A ( )	6860 Perchlorate CAM VIII B ( )	

**Affirmative response to Questions A through F is required for "Presumptive Certainty" status**

<b>A</b>	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>B</b>	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>C</b>	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>D</b>	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>E a</b>	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>E b</b>	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	<input type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>F</b>	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all No responses to Questions A through E)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>

**A response to questions G, H and I below is required for "Presumptive Certainty" status**

<b>G</b>	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>
----------	---	--

**Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.**

<b>H</b>	Were all QC performance standards specified in the CAM protocol(s) achieved?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>
<b>I</b>	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>

<sup>1</sup>All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

**I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.**

Signature: \_\_\_\_\_ *Lisa Worthington* \_\_\_\_\_ Position: Project Manager  
 Printed Name: Lisa A. Worthington Date: 03/16/18



March 22, 2018

Joe Spencer  
Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960

Project Location: Conway Park., Somerville, MA  
Client Job Number:  
Project Number: [none]  
Laboratory Work Order Number: 18C0632

Enclosed are results of analyses for samples received by the laboratory on March 15, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, reading "Meghan E. Kelley". The signature is written in a cursive style with a large, sweeping "y" at the end.

Meghan E. Kelley  
Project Manager

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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Joe Spencer

REPORT DATE: 3/22/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18C0632

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-101	18C0632-01	Ground Water		MADEP-EPH-04-1.1 SW-846 6020A-B SW-846 7470A SW-846 8260C	
MW-102	18C0632-02	Ground Water		MADEP-EPH-04-1.1 SW-846 6020A-B SW-846 7470A SW-846 8260C	
MW-103	18C0632-03	Ground Water		MADEP-EPH-04-1.1 SW-846 6020A-B SW-846 7470A SW-846 8260C	
MW-104	18C0632-04	Ground Water		MADEP-EPH-04-1.1 SW-846 6020A-B SW-846 7470A SW-846 8260C	

**CASE NARRATIVE SUMMARY**

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

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SW-846 6020A-B

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**Qualifications:****MS-07**

Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated.

**Analyte & Samples(s) Qualified:****Silver**

18C0632-01[MW-101], B198958-MS1

SW-846 8260C

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**Qualifications:****R-05**

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

**Analyte & Samples(s) Qualified:****Bromomethane**

18C0632-04[MW-104], B199037-BLK1, B199037-BS1, B199037-BSD1

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**RL-07**

Elevated reporting limit based on lowest point in calibration.  
MA CAM reporting limit not met.

**Analyte & Samples(s) Qualified:****Carbon Disulfide**

18C0632-01[MW-101], 18C0632-02[MW-102], 18C0632-03[MW-103], 18C0632-04[MW-104]

**Methylene Chloride**

18C0632-01[MW-101], 18C0632-02[MW-102], 18C0632-03[MW-103], 18C0632-04[MW-104]

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**V-05**

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

**Analyte & Samples(s) Qualified:****1,4-Dioxane**

18C0632-04[MW-104], B199037-BLK1, B199037-BS1, B199037-BSD1

**Bromomethane**

18C0632-04[MW-104], B199037-BLK1, B199037-BS1, B199037-BSD1

**Naphthalene**

18C0632-01[MW-101], 18C0632-02[MW-102], 18C0632-03[MW-103], B198952-BLK1, B198952-BS1, B198952-BSD1

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**V-16**

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

**Analyte & Samples(s) Qualified:****1,4-Dioxane**

18C0632-01[MW-101], 18C0632-02[MW-102], 18C0632-03[MW-103], 18C0632-04[MW-104], B198952-BLK1, B198952-BS1, B198952-BSD1, B199037-BLK1, B199037-BS1, B199037-BSD1

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**V-20**

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

**Analyte & Samples(s) Qualified:****2-Hexanone (MBK)**

B199037-BS1, B199037-BSD1

**4-Methyl-2-pentanone (MIBK)**

B199037-BS1, B199037-BSD1

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**MADEP-EPH-04-1.1**

SPE cartridge contamination with non-petroleum compounds, if present, is verified by GC/MS in each method blank per extraction batch and excluded from C11-C22 aromatic range fraction in all samples in the batch. No significant modifications were made to the method.

**SW-846 6010C/D SW-846 6020A/B**

For NC, Metals methods SW-846 6010D and SW-846 6020B are followed, and for all other states methods SW-846 6010C and SW-846 6020A are followed.

**SW-846 8260C**

Laboratory control sample recoveries for required MCP Data Enhancement 8260 compounds were all within limits specified by the method except for "difficult analytes" where recovery control limits of 40-160% are used and/or unless otherwise listed in this narrative. Difficult analytes: MIBK, MEK, acetone, 1,4-dioxane, chloromethane, dichlorodifluoromethane, 2-hexanone, and bromomethane.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington  
Project Manager

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18C0632

Date Received: 3/15/2018

Field Sample #: MW-101

Sampled: 3/15/2018 13:50

Sample ID: 18C0632-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
2-Butanone (MEK)	ND	10	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
Carbon Disulfide	ND	5.0	µg/L	1	RL-07	SW-846 8260C	3/16/18	3/17/18 1:12	LBD
Carbon Tetrachloride	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
cis-1,3-Dichloropropene	ND	0.40	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
trans-1,3-Dichloropropene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260C	3/16/18	3/17/18 1:12	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18C0632

Date Received: 3/15/2018

Field Sample #: MW-101

Sampled: 3/15/2018 13:50

Sample ID: 18C0632-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
Methylene Chloride	ND	5.0	µg/L	1	RL-07	SW-846 8260C	3/16/18	3/17/18 1:12	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260C	3/16/18	3/17/18 1:12	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
Tetrahydrofuran	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:12	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	93.6	70-130	3/17/18 1:12
Toluene-d8	97.3	70-130	3/17/18 1:12
4-Bromofluorobenzene	94.7	70-130	3/17/18 1:12



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18C0632

Date Received: 3/15/2018

Field Sample #: MW-101

Sampled: 3/15/2018 13:50

Sample ID: 18C0632-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	96	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 0:23	RMW
C19-C36 Aliphatics	ND	96	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 0:23	RMW
Unadjusted C11-C22 Aromatics	ND	96	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 0:23	RMW
C11-C22 Aromatics	ND	96	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 0:23	RMW
Acenaphthene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 0:23	RMW
Acenaphthylene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 0:23	RMW
Anthracene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 0:23	RMW
Benzo(a)anthracene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 0:23	RMW
Benzo(a)pyrene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 0:23	RMW
Benzo(b)fluoranthene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 0:23	RMW
Benzo(g,h,i)perylene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 0:23	RMW
Benzo(k)fluoranthene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 0:23	RMW
Chrysene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 0:23	RMW
Dibenz(a,h)anthracene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 0:23	RMW
Fluoranthene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 0:23	RMW
Fluorene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 0:23	RMW
Indeno(1,2,3-cd)pyrene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 0:23	RMW
2-Methylnaphthalene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 0:23	RMW
Naphthalene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 0:23	RMW
Phenanthrene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 0:23	RMW
Pyrene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 0:23	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual
Chlorooctadecane (COD)	59.9	40-140	3/21/18 0:23
o-Terphenyl (OTP)	73.6	40-140	3/21/18 0:23
2-Bromonaphthalene	92.3	40-140	3/21/18 0:23
2-Fluorobiphenyl	89.4	40-140	3/21/18 0:23

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18C0632

Date Received: 3/15/2018

Field Sample #: MW-101

Sampled: 3/15/2018 13:50

Sample ID: 18C0632-01

Sample Matrix: Ground Water

**Metals Analyses (Dissolved)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	5.0	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:41	MJH
Arsenic	ND	2.0	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:41	MJH
Barium	77	50	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:41	MJH
Beryllium	ND	2.0	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:41	MJH
Cadmium	ND	2.5	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:41	MJH
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:41	MJH
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:41	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	3/16/18	3/16/18 14:27	EJB
Nickel	ND	25	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:41	MJH
Selenium	ND	25	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:41	MJH
Silver	ND	2.5	µg/L	5	MS-07	SW-846 6020A-B	3/16/18	3/19/18 14:41	MJH
Thallium	ND	1.0	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:41	MJH
Vanadium	ND	25	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:41	MJH
Zinc	ND	50	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:41	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18C0632

Date Received: 3/15/2018

Field Sample #: MW-102

Sampled: 3/15/2018 15:20

Sample ID: 18C0632-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
2-Butanone (MEK)	ND	10	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
Carbon Disulfide	ND	5.0	µg/L	1	RL-07	SW-846 8260C	3/16/18	3/17/18 1:43	LBD
Carbon Tetrachloride	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
cis-1,3-Dichloropropene	ND	0.40	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
trans-1,3-Dichloropropene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260C	3/16/18	3/17/18 1:43	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18C0632

Date Received: 3/15/2018

Field Sample #: MW-102

Sampled: 3/15/2018 15:20

Sample ID: 18C0632-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
Methylene Chloride	ND	5.0	µg/L	1	RL-07	SW-846 8260C	3/16/18	3/17/18 1:43	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260C	3/16/18	3/17/18 1:43	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
1,1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
Tetrahydrofuran	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 1:43	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	94.6	70-130	3/17/18 1:43
Toluene-d8	97.2	70-130	3/17/18 1:43
4-Bromofluorobenzene	93.6	70-130	3/17/18 1:43

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18C0632

Date Received: 3/15/2018

Field Sample #: MW-102

Sampled: 3/15/2018 15:20

Sample ID: 18C0632-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	96	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 0:42	RMW
C19-C36 Aliphatics	ND	96	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 0:42	RMW
Unadjusted C11-C22 Aromatics	ND	96	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 0:42	RMW
C11-C22 Aromatics	ND	96	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 0:42	RMW
Acenaphthene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 0:42	RMW
Acenaphthylene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 0:42	RMW
Anthracene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 0:42	RMW
Benzo(a)anthracene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 0:42	RMW
Benzo(a)pyrene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 0:42	RMW
Benzo(b)fluoranthene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 0:42	RMW
Benzo(g,h,i)perylene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 0:42	RMW
Benzo(k)fluoranthene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 0:42	RMW
Chrysene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 0:42	RMW
Dibenz(a,h)anthracene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 0:42	RMW
Fluoranthene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 0:42	RMW
Fluorene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 0:42	RMW
Indeno(1,2,3-cd)pyrene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 0:42	RMW
2-Methylnaphthalene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 0:42	RMW
Naphthalene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 0:42	RMW
Phenanthrene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 0:42	RMW
Pyrene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 0:42	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual
Chlorooctadecane (COD)	55.9	40-140	3/21/18 0:42
o-Terphenyl (OTP)	69.3	40-140	3/21/18 0:42
2-Bromonaphthalene	92.1	40-140	3/21/18 0:42
2-Fluorobiphenyl	89.5	40-140	3/21/18 0:42

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18C0632

Date Received: 3/15/2018

Field Sample #: MW-102

Sampled: 3/15/2018 15:20

Sample ID: 18C0632-02

Sample Matrix: Ground Water

**Metals Analyses (Dissolved)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	5.0	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:48	MJH
Arsenic	ND	2.0	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:48	MJH
Barium	76	50	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:48	MJH
Beryllium	ND	2.0	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:48	MJH
Cadmium	ND	2.5	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:48	MJH
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:48	MJH
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:48	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	3/16/18	3/16/18 14:29	EJB
Nickel	ND	25	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:48	MJH
Selenium	ND	25	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:48	MJH
Silver	ND	2.5	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:48	MJH
Thallium	ND	1.0	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:48	MJH
Vanadium	ND	25	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:48	MJH
Zinc	ND	50	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:48	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18C0632

Date Received: 3/15/2018

Field Sample #: MW-103

Sampled: 3/15/2018 12:10

Sample ID: 18C0632-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
2-Butanone (MEK)	ND	10	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
Carbon Disulfide	ND	5.0	µg/L	1	RL-07	SW-846 8260C	3/16/18	3/17/18 2:14	LBD
Carbon Tetrachloride	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
cis-1,3-Dichloropropene	ND	0.40	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
trans-1,3-Dichloropropene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260C	3/16/18	3/17/18 2:14	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18C0632

Date Received: 3/15/2018

Field Sample #: MW-103

Sampled: 3/15/2018 12:10

Sample ID: 18C0632-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
Methylene Chloride	ND	5.0	µg/L	1	RL-07	SW-846 8260C	3/16/18	3/17/18 2:14	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
Naphthalene	3.2	2.0	µg/L	1	V-05	SW-846 8260C	3/16/18	3/17/18 2:14	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
1,1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
Tetrahydrofuran	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	3/16/18	3/17/18 2:14	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	95.3	70-130	
Toluene-d8	95.8	70-130	
4-Bromofluorobenzene	94.1	70-130	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18C0632

Date Received: 3/15/2018

Field Sample #: MW-103

Sampled: 3/15/2018 12:10

Sample ID: 18C0632-03

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	96	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 1:01	RMW
C19-C36 Aliphatics	ND	96	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 1:01	RMW
Unadjusted C11-C22 Aromatics	ND	96	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 1:01	RMW
C11-C22 Aromatics	ND	96	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 1:01	RMW
Acenaphthene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 1:01	RMW
Acenaphthylene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 1:01	RMW
Anthracene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 1:01	RMW
Benzo(a)anthracene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 1:01	RMW
Benzo(a)pyrene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 1:01	RMW
Benzo(b)fluoranthene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 1:01	RMW
Benzo(g,h,i)perylene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 1:01	RMW
Benzo(k)fluoranthene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 1:01	RMW
Chrysene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 1:01	RMW
Dibenz(a,h)anthracene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 1:01	RMW
Fluoranthene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 1:01	RMW
Fluorene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 1:01	RMW
Indeno(1,2,3-cd)pyrene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 1:01	RMW
2-Methylnaphthalene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 1:01	RMW
Naphthalene	2.2	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 1:01	RMW
Phenanthrene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 1:01	RMW
Pyrene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 1:01	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual
Chlorooctadecane (COD)	63.2	40-140	
o-Terphenyl (OTP)	78.3	40-140	
2-Bromonaphthalene	95.4	40-140	
2-Fluorobiphenyl	95.3	40-140	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18C0632

Date Received: 3/15/2018

Field Sample #: MW-103

Sampled: 3/15/2018 12:10

Sample ID: 18C0632-03

Sample Matrix: Ground Water

**Metals Analyses (Dissolved)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	5.0	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:52	MJH
Arsenic	ND	2.0	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:52	MJH
Barium	130	50	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:52	MJH
Beryllium	ND	2.0	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:52	MJH
Cadmium	ND	2.5	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:52	MJH
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:52	MJH
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:52	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	3/16/18	3/16/18 14:31	EJB
Nickel	ND	25	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:52	MJH
Selenium	ND	25	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:52	MJH
Silver	ND	2.5	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:52	MJH
Thallium	ND	1.0	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:52	MJH
Vanadium	ND	25	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:52	MJH
Zinc	130	50	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:52	MJH

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18C0632

Date Received: 3/15/2018

Field Sample #: MW-104

Sampled: 3/15/2018 10:35

Sample ID: 18C0632-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
Bromoform	ND	2.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
Bromomethane	ND	2.0	µg/L	1	R-05, V-05	SW-846 8260C	3/19/18	3/19/18 15:07	LBD
2-Butanone (MEK)	ND	10	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
n-Butylbenzene	5.5	1.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
sec-Butylbenzene	4.2	1.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
tert-Butylbenzene	1.2	1.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
Carbon Disulfide	ND	5.0	µg/L	1	RL-07	SW-846 8260C	3/19/18	3/19/18 15:07	LBD
Carbon Tetrachloride	ND	1.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
cis-1,3-Dichloropropene	ND	0.40	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
trans-1,3-Dichloropropene	ND	1.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
1,4-Dioxane	ND	50	µg/L	1	V-05, V-16	SW-846 8260C	3/19/18	3/19/18 15:07	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18C0632

Date Received: 3/15/2018

Field Sample #: MW-104

Sampled: 3/15/2018 10:35

Sample ID: 18C0632-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
Isopropylbenzene (Cumene)	4.6	1.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
Methylene Chloride	ND	5.0	µg/L	1	RL-07	SW-846 8260C	3/19/18	3/19/18 15:07	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
n-Propylbenzene	6.2	1.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
1,1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
Tetrahydrofuran	ND	2.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	3/19/18	3/19/18 15:07	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	90.5	70-130	3/19/18 15:07
Toluene-d8	97.6	70-130	3/19/18 15:07
4-Bromofluorobenzene	95.6	70-130	3/19/18 15:07

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18C0632

Date Received: 3/15/2018

Field Sample #: MW-104

Sampled: 3/15/2018 10:35

Sample ID: 18C0632-04

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	96	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 1:21	RMW
C19-C36 Aliphatics	ND	96	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 1:21	RMW
Unadjusted C11-C22 Aromatics	750	96	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 1:21	RMW
C11-C22 Aromatics	720	96	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 1:21	RMW
Acenaphthene	5.9	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 1:21	RMW
Acenaphthylene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 1:21	RMW
Anthracene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 1:21	RMW
Benzo(a)anthracene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 1:21	RMW
Benzo(a)pyrene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 1:21	RMW
Benzo(b)fluoranthene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 1:21	RMW
Benzo(g,h,i)perylene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 1:21	RMW
Benzo(k)fluoranthene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 1:21	RMW
Chrysene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 1:21	RMW
Dibenz(a,h)anthracene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 1:21	RMW
Fluoranthene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 1:21	RMW
Fluorene	9.7	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 1:21	RMW
Indeno(1,2,3-cd)pyrene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 1:21	RMW
2-Methylnaphthalene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 1:21	RMW
Naphthalene	12	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 1:21	RMW
Phenanthrene	6.4	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 1:21	RMW
Pyrene	ND	1.9	µg/L	1		MADEP-EPH-04-1.1	3/16/18	3/21/18 1:21	RMW

Surrogates	% Recovery	Recovery Limits	Flag/Qual
Chlorooctadecane (COD)	59.5	40-140	
o-Terphenyl (OTP)	79.0	40-140	
2-Bromonaphthalene	92.8	40-140	
2-Fluorobiphenyl	93.6	40-140	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18C0632

Date Received: 3/15/2018

Field Sample #: MW-104

Sampled: 3/15/2018 10:35

Sample ID: 18C0632-04

Sample Matrix: Ground Water

**Metals Analyses (Dissolved)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	5.0	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:55	MJH
Arsenic	13	2.0	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:55	MJH
Barium	87	50	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:55	MJH
Beryllium	ND	2.0	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:55	MJH
Cadmium	ND	2.5	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:55	MJH
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:55	MJH
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:55	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	3/16/18	3/16/18 14:32	EJB
Nickel	ND	25	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:55	MJH
Selenium	ND	25	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:55	MJH
Silver	ND	2.5	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:55	MJH
Thallium	ND	1.0	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:55	MJH
Vanadium	ND	25	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:55	MJH
Zinc	210	50	µg/L	5		SW-846 6020A-B	3/16/18	3/19/18 14:55	MJH

**Sample Extraction Data**

**Prep Method: SW-846 3510C-MADEP-EPH-04-1.1**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18C0632-01 [MW-101]	B198960	1040	2.00	03/16/18
18C0632-02 [MW-102]	B198960	1040	2.00	03/16/18
18C0632-03 [MW-103]	B198960	1040	2.00	03/16/18
18C0632-04 [MW-104]	B198960	1040	2.00	03/16/18

**Prep Method: SW-846 3005A Dissolved-SW-846 6020A-B**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18C0632-01 [MW-101]	B198958	50.0	50.0	03/16/18
18C0632-02 [MW-102]	B198958	50.0	50.0	03/16/18
18C0632-03 [MW-103]	B198958	50.0	50.0	03/16/18
18C0632-04 [MW-104]	B198958	50.0	50.0	03/16/18

**Prep Method: SW-846 7470A Dissolved-SW-846 7470A**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18C0632-01 [MW-101]	B198932	6.00	6.00	03/16/18
18C0632-02 [MW-102]	B198932	6.00	6.00	03/16/18
18C0632-03 [MW-103]	B198932	6.00	6.00	03/16/18
18C0632-04 [MW-104]	B198932	6.00	6.00	03/16/18

**Prep Method: SW-846 5030B-SW-846 8260C**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18C0632-01 [MW-101]	B198952	5	5.00	03/16/18
18C0632-02 [MW-102]	B198952	5	5.00	03/16/18
18C0632-03 [MW-103]	B198952	5	5.00	03/16/18

**Prep Method: SW-846 5030B-SW-846 8260C**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18C0632-04 [MW-104]	B199037	5	5.00	03/19/18

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**QUALITY CONTROL**

**Volatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B198952 - SW-846 5030B**

**Blank (B198952-BLK1)**

Prepared & Analyzed: 03/16/18

Acetone	ND	10	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	1.0	µg/L							
Bromoform	ND	2.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	10	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	1.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.40	µg/L							
trans-1,3-Dichloropropene	ND	1.0	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							V-16
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							



QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B198952 - SW-846 5030B</b>										
<b>Blank (B198952-BLK1)</b>										
Prepared & Analyzed: 03/16/18										
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	2.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	2.0	µg/L							
1,2,4-Trichlorobenzene	ND	2.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	23.2		µg/L	25.0		92.9	70-130			
Surrogate: Toluene-d8	24.1		µg/L	25.0		96.5	70-130			
Surrogate: 4-Bromofluorobenzene	23.4		µg/L	25.0		93.6	70-130			
<b>LCS (B198952-BS1)</b>										
Prepared & Analyzed: 03/16/18										
Acetone	86.4	10	µg/L	100		86.4	40-160			†
tert-Amyl Methyl Ether (TAME)	9.25	0.50	µg/L	10.0		92.5	70-130			
Benzene	9.89	1.0	µg/L	10.0		98.9	70-130			
Bromobenzene	9.98	1.0	µg/L	10.0		99.8	70-130			
Bromochloromethane	10.9	1.0	µg/L	10.0		109	70-130			
Bromodichloromethane	10.0	1.0	µg/L	10.0		100	70-130			
Bromoform	8.52	2.0	µg/L	10.0		85.2	70-130			
Bromomethane	6.68	2.0	µg/L	10.0		66.8	40-160		L-14	†
2-Butanone (MEK)	96.5	10	µg/L	100		96.5	40-160			†
n-Butylbenzene	10.7	1.0	µg/L	10.0		107	70-130			
sec-Butylbenzene	10.3	1.0	µg/L	10.0		103	70-130			
tert-Butylbenzene	10.1	1.0	µg/L	10.0		101	70-130			
tert-Butyl Ethyl Ether (TBEE)	9.46	0.50	µg/L	10.0		94.6	70-130			
Carbon Disulfide	9.97	5.0	µg/L	10.0		99.7	70-130			
Carbon Tetrachloride	10.0	1.0	µg/L	10.0		100	70-130			
Chlorobenzene	9.92	1.0	µg/L	10.0		99.2	70-130			
Chlorodibromomethane	9.78	0.50	µg/L	10.0		97.8	70-130			
Chloroethane	9.11	2.0	µg/L	10.0		91.1	70-130			
Chloroform	9.66	2.0	µg/L	10.0		96.6	70-130			
Chloromethane	8.47	2.0	µg/L	10.0		84.7	40-160			†
2-Chlorotoluene	10.3	1.0	µg/L	10.0		103	70-130			
4-Chlorotoluene	10.3	1.0	µg/L	10.0		103	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.50	2.0	µg/L	10.0		85.0	70-130			
1,2-Dibromoethane (EDB)	10.1	0.50	µg/L	10.0		101	70-130			
Dibromomethane	10.2	1.0	µg/L	10.0		102	70-130			
1,2-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130			
1,3-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130			
1,4-Dichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B198952 - SW-846 5030B</b>										
<b>LCS (B198952-BS1)</b>										
Prepared & Analyzed: 03/16/18										
Dichlorodifluoromethane (Freon 12)	4.97	2.0	µg/L	10.0		49.7	40-160			L-14 †
1,1-Dichloroethane	10.2	1.0	µg/L	10.0		102	70-130			
1,2-Dichloroethane	10.1	1.0	µg/L	10.0		101	70-130			
1,1-Dichloroethylene	9.44	1.0	µg/L	10.0		94.4	70-130			
cis-1,2-Dichloroethylene	10.0	1.0	µg/L	10.0		100	70-130			
trans-1,2-Dichloroethylene	10.3	1.0	µg/L	10.0		103	70-130			
1,2-Dichloropropane	10.8	1.0	µg/L	10.0		108	70-130			
1,3-Dichloropropane	9.94	0.50	µg/L	10.0		99.4	70-130			
2,2-Dichloropropane	8.53	1.0	µg/L	10.0		85.3	70-130			
1,1-Dichloropropene	10.1	0.50	µg/L	10.0		101	70-130			
cis-1,3-Dichloropropene	9.52	0.40	µg/L	10.0		95.2	70-130			
trans-1,3-Dichloropropene	9.59	1.0	µg/L	10.0		95.9	70-130			
Diethyl Ether	9.46	2.0	µg/L	10.0		94.6	70-130			
Diisopropyl Ether (DIPE)	10.1	0.50	µg/L	10.0		101	70-130			
1,4-Dioxane	88.1	50	µg/L	100		88.1	40-160			V-16 †
Ethylbenzene	10.2	1.0	µg/L	10.0		102	70-130			
Hexachlorobutadiene	11.4	0.60	µg/L	10.0		114	70-130			
2-Hexanone (MBK)	101	10	µg/L	100		101	40-160			†
Isopropylbenzene (Cumene)	10.6	1.0	µg/L	10.0		106	70-130			
p-Isopropyltoluene (p-Cymene)	10.5	1.0	µg/L	10.0		105	70-130			
Methyl tert-Butyl Ether (MTBE)	9.57	1.0	µg/L	10.0		95.7	70-130			
Methylene Chloride	10.5	5.0	µg/L	10.0		105	70-130			
4-Methyl-2-pentanone (MIBK)	101	10	µg/L	100		101	40-160			†
Naphthalene	7.67	2.0	µg/L	10.0		76.7	70-130			V-05
n-Propylbenzene	9.85	1.0	µg/L	10.0		98.5	70-130			
Styrene	10.5	1.0	µg/L	10.0		105	70-130			
1,1,1,2-Tetrachloroethane	10.2	1.0	µg/L	10.0		102	70-130			
1,1,2,2-Tetrachloroethane	9.56	0.50	µg/L	10.0		95.6	70-130			
Tetrachloroethylene	11.2	1.0	µg/L	10.0		112	70-130			
Tetrahydrofuran	10.5	2.0	µg/L	10.0		105	70-130			
Toluene	10.2	1.0	µg/L	10.0		102	70-130			
1,2,3-Trichlorobenzene	9.39	2.0	µg/L	10.0		93.9	70-130			
1,2,4-Trichlorobenzene	9.46	2.0	µg/L	10.0		94.6	70-130			
1,1,1-Trichloroethane	9.76	1.0	µg/L	10.0		97.6	70-130			
1,1,2-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130			
Trichloroethylene	10.5	1.0	µg/L	10.0		105	70-130			
Trichlorofluoromethane (Freon 11)	8.42	2.0	µg/L	10.0		84.2	70-130			
1,2,3-Trichloropropane	9.06	2.0	µg/L	10.0		90.6	70-130			
1,2,4-Trimethylbenzene	10.2	1.0	µg/L	10.0		102	70-130			
1,3,5-Trimethylbenzene	10.3	1.0	µg/L	10.0		103	70-130			
Vinyl Chloride	8.88	2.0	µg/L	10.0		88.8	70-130			
m+p Xylene	20.5	2.0	µg/L	20.0		102	70-130			
o-Xylene	10.2	1.0	µg/L	10.0		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	23.1		µg/L	25.0		92.2	70-130			
Surrogate: Toluene-d8	24.7		µg/L	25.0		98.6	70-130			
Surrogate: 4-Bromofluorobenzene	24.0		µg/L	25.0		96.1	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B198952 - SW-846 5030B</b>										
<b>LCS Dup (B198952-BSD1)</b>										
Prepared & Analyzed: 03/16/18										
Acetone	87.2	10	µg/L	100		87.2	40-160	0.887	20	†
tert-Amyl Methyl Ether (TAME)	9.18	0.50	µg/L	10.0		91.8	70-130	0.760	20	
Benzene	9.67	1.0	µg/L	10.0		96.7	70-130	2.25	20	
Bromobenzene	10.1	1.0	µg/L	10.0		101	70-130	1.59	20	
Bromochloromethane	10.6	1.0	µg/L	10.0		106	70-130	2.89	20	
Bromodichloromethane	9.80	1.0	µg/L	10.0		98.0	70-130	2.12	20	
Bromoform	9.02	2.0	µg/L	10.0		90.2	70-130	5.70	20	
Bromomethane	7.48	2.0	µg/L	10.0		74.8	40-160	11.3	20	†
2-Butanone (MEK)	101	10	µg/L	100		101	40-160	4.73	20	†
n-Butylbenzene	10.3	1.0	µg/L	10.0		103	70-130	4.00	20	
sec-Butylbenzene	9.92	1.0	µg/L	10.0		99.2	70-130	3.95	20	
tert-Butylbenzene	9.87	1.0	µg/L	10.0		98.7	70-130	2.20	20	
tert-Butyl Ethyl Ether (TBEE)	9.46	0.50	µg/L	10.0		94.6	70-130	0.00	20	
Carbon Disulfide	9.63	5.0	µg/L	10.0		96.3	70-130	3.47	20	
Carbon Tetrachloride	9.77	1.0	µg/L	10.0		97.7	70-130	2.73	20	
Chlorobenzene	9.78	1.0	µg/L	10.0		97.8	70-130	1.42	20	
Chlorodibromomethane	9.56	0.50	µg/L	10.0		95.6	70-130	2.28	20	
Chloroethane	8.67	2.0	µg/L	10.0		86.7	70-130	4.95	20	
Chloroform	9.17	2.0	µg/L	10.0		91.7	70-130	5.20	20	
Chloromethane	8.28	2.0	µg/L	10.0		82.8	40-160	2.27	20	†
2-Chlorotoluene	10.0	1.0	µg/L	10.0		100	70-130	3.15	20	
4-Chlorotoluene	10.1	1.0	µg/L	10.0		101	70-130	1.66	20	
1,2-Dibromo-3-chloropropane (DBCP)	8.91	2.0	µg/L	10.0		89.1	70-130	4.71	20	
1,2-Dibromoethane (EDB)	10.4	0.50	µg/L	10.0		104	70-130	2.83	20	
Dibromomethane	10.1	1.0	µg/L	10.0		101	70-130	0.885	20	
1,2-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	1.47	20	
1,3-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	4.26	20	
1,4-Dichlorobenzene	9.81	1.0	µg/L	10.0		98.1	70-130	2.02	20	
Dichlorodifluoromethane (Freon 12)	4.60	2.0	µg/L	10.0		46.0	40-160	7.73	20	L-14 †
1,1-Dichloroethane	9.83	1.0	µg/L	10.0		98.3	70-130	3.79	20	
1,2-Dichloroethane	9.99	1.0	µg/L	10.0		99.9	70-130	0.698	20	
1,1-Dichloroethylene	8.93	1.0	µg/L	10.0		89.3	70-130	5.55	20	
cis-1,2-Dichloroethylene	9.55	1.0	µg/L	10.0		95.5	70-130	5.10	20	
trans-1,2-Dichloroethylene	9.81	1.0	µg/L	10.0		98.1	70-130	4.58	20	
1,2-Dichloropropane	10.2	1.0	µg/L	10.0		102	70-130	5.51	20	
1,3-Dichloropropane	9.94	0.50	µg/L	10.0		99.4	70-130	0.00	20	
2,2-Dichloropropane	8.15	1.0	µg/L	10.0		81.5	70-130	4.56	20	
1,1-Dichloropropene	9.64	0.50	µg/L	10.0		96.4	70-130	4.66	20	
cis-1,3-Dichloropropene	9.25	0.40	µg/L	10.0		92.5	70-130	2.88	20	
trans-1,3-Dichloropropene	9.41	1.0	µg/L	10.0		94.1	70-130	1.89	20	
Diethyl Ether	9.49	2.0	µg/L	10.0		94.9	70-130	0.317	20	
Diisopropyl Ether (DIPE)	9.97	0.50	µg/L	10.0		99.7	70-130	1.69	20	
1,4-Dioxane	91.3	50	µg/L	100		91.3	40-160	3.54	20	V-16 †
Ethylbenzene	10.1	1.0	µg/L	10.0		101	70-130	0.592	20	
Hexachlorobutadiene	11.2	0.60	µg/L	10.0		112	70-130	1.33	20	
2-Hexanone (MBK)	108	10	µg/L	100		108	40-160	7.00	20	†
Isopropylbenzene (Cumene)	10.4	1.0	µg/L	10.0		104	70-130	2.01	20	
p-Isopropyltoluene (p-Cymene)	10.2	1.0	µg/L	10.0		102	70-130	2.42	20	
Methyl tert-Butyl Ether (MTBE)	9.67	1.0	µg/L	10.0		96.7	70-130	1.04	20	
Methylene Chloride	10.2	5.0	µg/L	10.0		102	70-130	3.10	20	
4-Methyl-2-pentanone (MIBK)	107	10	µg/L	100		107	40-160	5.50	20	†
Naphthalene	8.04	2.0	µg/L	10.0		80.4	70-130	4.71	20	V-05

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**QUALITY CONTROL**

**Volatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B198952 - SW-846 5030B**

**LCS Dup (B198952-BSD1)**

Prepared & Analyzed: 03/16/18

n-Propylbenzene	9.66	1.0	µg/L	10.0		96.6	70-130	1.95	20	
Styrene	10.3	1.0	µg/L	10.0		103	70-130	1.63	20	
1,1,1,2-Tetrachloroethane	10.2	1.0	µg/L	10.0		102	70-130	0.883	20	
1,1,2,2-Tetrachloroethane	9.94	0.50	µg/L	10.0		99.4	70-130	3.90	20	
Tetrachloroethylene	10.7	1.0	µg/L	10.0		107	70-130	4.46	20	
Tetrahydrofuran	11.5	2.0	µg/L	10.0		115	70-130	8.88	20	
Toluene	9.97	1.0	µg/L	10.0		99.7	70-130	1.99	20	
1,2,3-Trichlorobenzene	9.59	2.0	µg/L	10.0		95.9	70-130	2.11	20	
1,2,4-Trichlorobenzene	9.41	2.0	µg/L	10.0		94.1	70-130	0.530	20	
1,1,1-Trichloroethane	9.42	1.0	µg/L	10.0		94.2	70-130	3.55	20	
1,1,2-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130	0.287	20	
Trichloroethylene	10.4	1.0	µg/L	10.0		104	70-130	1.82	20	
Trichlorofluoromethane (Freon 11)	8.17	2.0	µg/L	10.0		81.7	70-130	3.01	20	
1,2,3-Trichloropropane	9.58	2.0	µg/L	10.0		95.8	70-130	5.58	20	
1,2,4-Trimethylbenzene	10.0	1.0	µg/L	10.0		100	70-130	1.78	20	
1,3,5-Trimethylbenzene	10.2	1.0	µg/L	10.0		102	70-130	0.877	20	
Vinyl Chloride	8.58	2.0	µg/L	10.0		85.8	70-130	3.44	20	
m+p Xylene	20.1	2.0	µg/L	20.0		101	70-130	1.72	20	
o-Xylene	9.97	1.0	µg/L	10.0		99.7	70-130	1.99	20	
Surrogate: 1,2-Dichloroethane-d4	22.9		µg/L	25.0		91.8	70-130			
Surrogate: Toluene-d8	24.5		µg/L	25.0		98.1	70-130			
Surrogate: 4-Bromofluorobenzene	23.7		µg/L	25.0		94.7	70-130			

**Batch B199037 - SW-846 5030B**

**Blank (B199037-BLK1)**

Prepared & Analyzed: 03/19/18

Acetone	ND	10	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	1.0	µg/L							
Bromoform	ND	2.0	µg/L							
Bromomethane	ND	2.0	µg/L							R-05, V-05
2-Butanone (MEK)	ND	10	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	1.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**QUALITY CONTROL**

**Volatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B199037 - SW-846 5030B</b>										
<b>Blank (B199037-BLK1)</b>					Prepared & Analyzed: 03/19/18					
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.40	µg/L							
trans-1,3-Dichloropropene	ND	1.0	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							V-05, V-16
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	2.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	2.0	µg/L							
1,2,4-Trichlorobenzene	ND	2.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	23.2		µg/L	25.0		93.0	70-130			
Surrogate: Toluene-d8	24.4		µg/L	25.0		97.5	70-130			
Surrogate: 4-Bromofluorobenzene	23.2		µg/L	25.0		92.8	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B199037 - SW-846 5030B</b>										
<b>LCS (B199037-BS1)</b>										
					Prepared & Analyzed: 03/19/18					
Acetone	93.9	10	µg/L	100		93.9	40-160			†
tert-Amyl Methyl Ether (TAME)	10.3	0.50	µg/L	10.0		103	70-130			
Benzene	10.5	1.0	µg/L	10.0		105	70-130			
Bromobenzene	10.4	1.0	µg/L	10.0		104	70-130			
Bromochloromethane	11.5	1.0	µg/L	10.0		115	70-130			
Bromodichloromethane	10.8	1.0	µg/L	10.0		108	70-130			
Bromoform	9.90	2.0	µg/L	10.0		99.0	70-130			
Bromomethane	6.71	2.0	µg/L	10.0		67.1	40-160			L-14, R-05, V-05 †
2-Butanone (MEK)	113	10	µg/L	100		113	40-160			†
n-Butylbenzene	10.4	1.0	µg/L	10.0		104	70-130			
sec-Butylbenzene	10.1	1.0	µg/L	10.0		101	70-130			
tert-Butylbenzene	10.2	1.0	µg/L	10.0		102	70-130			
tert-Butyl Ethyl Ether (TBEE)	10.5	0.50	µg/L	10.0		105	70-130			
Carbon Disulfide	9.65	5.0	µg/L	10.0		96.5	70-130			
Carbon Tetrachloride	10.9	1.0	µg/L	10.0		109	70-130			
Chlorobenzene	10.2	1.0	µg/L	10.0		102	70-130			
Chlorodibromomethane	10.4	0.50	µg/L	10.0		104	70-130			
Chloroethane	9.67	2.0	µg/L	10.0		96.7	70-130			
Chloroform	10.0	2.0	µg/L	10.0		100	70-130			
Chloromethane	10.1	2.0	µg/L	10.0		101	40-160			†
2-Chlorotoluene	10.5	1.0	µg/L	10.0		105	70-130			
4-Chlorotoluene	10.6	1.0	µg/L	10.0		106	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	10.9	2.0	µg/L	10.0		109	70-130			
1,2-Dibromoethane (EDB)	11.0	0.50	µg/L	10.0		110	70-130			
Dibromomethane	10.9	1.0	µg/L	10.0		109	70-130			
1,2-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130			
1,3-Dichlorobenzene	10.7	1.0	µg/L	10.0		107	70-130			
1,4-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130			
Dichlorodifluoromethane (Freon 12)	6.26	2.0	µg/L	10.0		62.6	40-160			L-14 †
1,1-Dichloroethane	10.8	1.0	µg/L	10.0		108	70-130			
1,2-Dichloroethane	10.4	1.0	µg/L	10.0		104	70-130			
1,1-Dichloroethylene	9.95	1.0	µg/L	10.0		99.5	70-130			
cis-1,2-Dichloroethylene	10.8	1.0	µg/L	10.0		108	70-130			
trans-1,2-Dichloroethylene	10.9	1.0	µg/L	10.0		109	70-130			
1,2-Dichloropropane	11.1	1.0	µg/L	10.0		111	70-130			
1,3-Dichloropropane	10.4	0.50	µg/L	10.0		104	70-130			
2,2-Dichloropropane	11.3	1.0	µg/L	10.0		113	70-130			
1,1-Dichloropropene	10.7	0.50	µg/L	10.0		107	70-130			
cis-1,3-Dichloropropene	10.5	0.40	µg/L	10.0		105	70-130			
trans-1,3-Dichloropropene	10.8	1.0	µg/L	10.0		108	70-130			
Diethyl Ether	10.0	2.0	µg/L	10.0		100	70-130			
Diisopropyl Ether (DIPE)	11.2	0.50	µg/L	10.0		112	70-130			
1,4-Dioxane	85.1	50	µg/L	100		85.1	40-160			V-05, V-16 †
Ethylbenzene	10.6	1.0	µg/L	10.0		106	70-130			
Hexachlorobutadiene	11.7	0.60	µg/L	10.0		117	70-130			
2-Hexanone (MBK)	120	10	µg/L	100		120	40-160			V-20 †
Isopropylbenzene (Cumene)	10.8	1.0	µg/L	10.0		108	70-130			
p-Isopropyltoluene (p-Cymene)	10.4	1.0	µg/L	10.0		104	70-130			
Methyl tert-Butyl Ether (MTBE)	10.5	1.0	µg/L	10.0		105	70-130			
Methylene Chloride	10.3	5.0	µg/L	10.0		103	70-130			
4-Methyl-2-pentanone (MIBK)	118	10	µg/L	100		118	40-160			V-20 †
Naphthalene	9.71	2.0	µg/L	10.0		97.1	70-130			

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**QUALITY CONTROL**

**Volatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B199037 - SW-846 5030B**

**LCS (B199037-BS1)**

Prepared & Analyzed: 03/19/18

n-Propylbenzene	10.1	1.0	µg/L	10.0		101	70-130			
Styrene	10.7	1.0	µg/L	10.0		107	70-130			
1,1,1,2-Tetrachloroethane	10.8	1.0	µg/L	10.0		108	70-130			
1,1,2,2-Tetrachloroethane	11.0	0.50	µg/L	10.0		110	70-130			
Tetrachloroethylene	11.3	1.0	µg/L	10.0		113	70-130			
Tetrahydrofuran	12.5	2.0	µg/L	10.0		125	70-130			
Toluene	10.6	1.0	µg/L	10.0		106	70-130			
1,2,3-Trichlorobenzene	10.1	2.0	µg/L	10.0		101	70-130			
1,2,4-Trichlorobenzene	9.95	2.0	µg/L	10.0		99.5	70-130			
1,1,1-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130			
1,1,2-Trichloroethane	10.9	1.0	µg/L	10.0		109	70-130			
Trichloroethylene	10.6	1.0	µg/L	10.0		106	70-130			
Trichlorofluoromethane (Freon 11)	9.32	2.0	µg/L	10.0		93.2	70-130			
1,2,3-Trichloropropane	10.0	2.0	µg/L	10.0		100	70-130			
1,2,4-Trimethylbenzene	10.2	1.0	µg/L	10.0		102	70-130			
1,3,5-Trimethylbenzene	10.6	1.0	µg/L	10.0		106	70-130			
Vinyl Chloride	10.0	2.0	µg/L	10.0		100	70-130			
m+p Xylene	21.2	2.0	µg/L	20.0		106	70-130			
o-Xylene	10.6	1.0	µg/L	10.0		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	23.0		µg/L	25.0		92.0	70-130			
Surrogate: Toluene-d8	24.9		µg/L	25.0		99.6	70-130			
Surrogate: 4-Bromofluorobenzene	24.2		µg/L	25.0		96.8	70-130			

**LCS Dup (B199037-BSD1)**

Prepared & Analyzed: 03/19/18

Acetone	89.3	10	µg/L	100		89.3	40-160	5.09	20	†
tert-Amyl Methyl Ether (TAME)	10.0	0.50	µg/L	10.0		100	70-130	2.36	20	
Benzene	10.1	1.0	µg/L	10.0		101	70-130	3.99	20	
Bromobenzene	10.3	1.0	µg/L	10.0		103	70-130	1.35	20	
Bromochloromethane	11.3	1.0	µg/L	10.0		113	70-130	2.11	20	
Bromodichloromethane	10.8	1.0	µg/L	10.0		108	70-130	0.369	20	
Bromoform	9.99	2.0	µg/L	10.0		99.9	70-130	0.905	20	
Bromomethane	8.52	2.0	µg/L	10.0		85.2	40-160	<b>23.8</b> *	20	R-05, V-05 †
2-Butanone (MEK)	108	10	µg/L	100		108	40-160	4.33	20	†
n-Butylbenzene	10.7	1.0	µg/L	10.0		107	70-130	2.74	20	
sec-Butylbenzene	10.3	1.0	µg/L	10.0		103	70-130	1.37	20	
tert-Butylbenzene	10.4	1.0	µg/L	10.0		104	70-130	1.26	20	
tert-Butyl Ethyl Ether (TBEE)	10.4	0.50	µg/L	10.0		104	70-130	0.860	20	
Carbon Disulfide	10.6	5.0	µg/L	10.0		106	70-130	9.85	20	
Carbon Tetrachloride	10.5	1.0	µg/L	10.0		105	70-130	4.02	20	
Chlorobenzene	10.3	1.0	µg/L	10.0		103	70-130	0.488	20	
Chlorodibromomethane	10.4	0.50	µg/L	10.0		104	70-130	0.385	20	
Chloroethane	9.35	2.0	µg/L	10.0		93.5	70-130	3.36	20	
Chloroform	9.95	2.0	µg/L	10.0		99.5	70-130	0.501	20	
Chloromethane	9.56	2.0	µg/L	10.0		95.6	40-160	5.20	20	†
2-Chlorotoluene	10.8	1.0	µg/L	10.0		108	70-130	2.71	20	
4-Chlorotoluene	10.9	1.0	µg/L	10.0		109	70-130	2.52	20	
1,2-Dibromo-3-chloropropane (DBCP)	10.2	2.0	µg/L	10.0		102	70-130	6.92	20	
1,2-Dibromoethane (EDB)	10.9	0.50	µg/L	10.0		109	70-130	1.00	20	
Dibromomethane	10.8	1.0	µg/L	10.0		108	70-130	1.20	20	
1,2-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130	2.31	20	
1,3-Dichlorobenzene	10.7	1.0	µg/L	10.0		107	70-130	0.467	20	
1,4-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130	1.95	20	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**QUALITY CONTROL**

**Volatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B199037 - SW-846 5030B</b>										
<b>LCS Dup (B199037-BSD1)</b>										
Prepared & Analyzed: 03/19/18										
Dichlorodifluoromethane (Freon 12)	6.00	2.0	µg/L	10.0		60.0	40-160	4.24	20	L-14 †
1,1-Dichloroethane	10.7	1.0	µg/L	10.0		107	70-130	1.11	20	
1,2-Dichloroethane	10.4	1.0	µg/L	10.0		104	70-130	0.769	20	
1,1-Dichloroethylene	9.77	1.0	µg/L	10.0		97.7	70-130	1.83	20	
cis-1,2-Dichloroethylene	10.7	1.0	µg/L	10.0		107	70-130	0.838	20	
trans-1,2-Dichloroethylene	10.8	1.0	µg/L	10.0		108	70-130	0.461	20	
1,2-Dichloropropane	11.1	1.0	µg/L	10.0		111	70-130	0.180	20	
1,3-Dichloropropane	10.3	0.50	µg/L	10.0		103	70-130	1.16	20	
2,2-Dichloropropane	11.2	1.0	µg/L	10.0		112	70-130	0.356	20	
1,1-Dichloropropene	10.4	0.50	µg/L	10.0		104	70-130	3.04	20	
cis-1,3-Dichloropropene	10.3	0.40	µg/L	10.0		103	70-130	1.54	20	
trans-1,3-Dichloropropene	10.5	1.0	µg/L	10.0		105	70-130	1.97	20	
Diethyl Ether	9.80	2.0	µg/L	10.0		98.0	70-130	2.12	20	
Diisopropyl Ether (DIPE)	11.1	0.50	µg/L	10.0		111	70-130	1.34	20	
1,4-Dioxane	97.0	50	µg/L	100		97.0	40-160	13.1	20	V-05, V-16 †
Ethylbenzene	10.7	1.0	µg/L	10.0		107	70-130	0.847	20	
Hexachlorobutadiene	12.2	0.60	µg/L	10.0		122	70-130	4.35	20	
2-Hexanone (MBK)	114	10	µg/L	100		114	40-160	4.31	20	V-20 †
Isopropylbenzene (Cumene)	11.0	1.0	µg/L	10.0		110	70-130	1.56	20	
p-Isopropyltoluene (p-Cymene)	10.7	1.0	µg/L	10.0		107	70-130	3.12	20	
Methyl tert-Butyl Ether (MTBE)	10.3	1.0	µg/L	10.0		103	70-130	1.54	20	
Methylene Chloride	10.9	5.0	µg/L	10.0		109	70-130	6.13	20	
4-Methyl-2-pentanone (MIBK)	112	10	µg/L	100		112	40-160	5.23	20	V-20 †
Naphthalene	9.62	2.0	µg/L	10.0		96.2	70-130	0.931	20	
n-Propylbenzene	10.4	1.0	µg/L	10.0		104	70-130	2.93	20	
Styrene	10.9	1.0	µg/L	10.0		109	70-130	1.57	20	
1,1,1,2-Tetrachloroethane	10.6	1.0	µg/L	10.0		106	70-130	2.14	20	
1,1,2,2-Tetrachloroethane	11.1	0.50	µg/L	10.0		111	70-130	0.272	20	
Tetrachloroethylene	11.1	1.0	µg/L	10.0		111	70-130	1.79	20	
Tetrahydrofuran	11.6	2.0	µg/L	10.0		116	70-130	7.53	20	
Toluene	10.6	1.0	µg/L	10.0		106	70-130	0.378	20	
1,2,3-Trichlorobenzene	10.2	2.0	µg/L	10.0		102	70-130	0.394	20	
1,2,4-Trichlorobenzene	10.2	2.0	µg/L	10.0		102	70-130	1.99	20	
1,1,1-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130	0.673	20	
1,1,2-Trichloroethane	10.7	1.0	µg/L	10.0		107	70-130	1.57	20	
Trichloroethylene	10.2	1.0	µg/L	10.0		102	70-130	4.43	20	
Trichlorofluoromethane (Freon 11)	8.95	2.0	µg/L	10.0		89.5	70-130	4.05	20	
1,2,3-Trichloropropane	9.85	2.0	µg/L	10.0		98.5	70-130	1.81	20	
1,2,4-Trimethylbenzene	10.6	1.0	µg/L	10.0		106	70-130	3.85	20	
1,3,5-Trimethylbenzene	10.8	1.0	µg/L	10.0		108	70-130	2.71	20	
Vinyl Chloride	9.67	2.0	µg/L	10.0		96.7	70-130	3.85	20	
m+p Xylene	21.3	2.0	µg/L	20.0		106	70-130	0.282	20	
o-Xylene	10.6	1.0	µg/L	10.0		106	70-130	0.189	20	
Surrogate: 1,2-Dichloroethane-d4	22.3		µg/L	25.0		89.3	70-130			
Surrogate: Toluene-d8	24.2		µg/L	25.0		96.8	70-130			
Surrogate: 4-Bromofluorobenzene	24.8		µg/L	25.0		99.1	70-130			



**QUALITY CONTROL**

**Petroleum Hydrocarbons Analyses - EPH - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B198960 - SW-846 3510C**

**Blank (B198960-BLK1)**

Prepared: 03/16/18 Analyzed: 03/19/18

C9-C18 Aliphatics	ND	100	µg/L							
C19-C36 Aliphatics	ND	100	µg/L							
Unadjusted C11-C22 Aromatics	ND	100	µg/L							
C11-C22 Aromatics	ND	100	µg/L							
Acenaphthene	ND	2.0	µg/L							
Acenaphthylene	ND	2.0	µg/L							
Anthracene	ND	2.0	µg/L							
Benzo(a)anthracene	ND	2.0	µg/L							
Benzo(a)pyrene	ND	2.0	µg/L							
Benzo(b)fluoranthene	ND	2.0	µg/L							
Benzo(g,h,i)perylene	ND	2.0	µg/L							
Benzo(k)fluoranthene	ND	2.0	µg/L							
Chrysene	ND	2.0	µg/L							
Dibenz(a,h)anthracene	ND	2.0	µg/L							
Fluoranthene	ND	2.0	µg/L							
Fluorene	ND	2.0	µg/L							
Indeno(1,2,3-cd)pyrene	ND	2.0	µg/L							
2-Methylnaphthalene	ND	2.0	µg/L							
Naphthalene	ND	2.0	µg/L							
Phenanthrene	ND	2.0	µg/L							
Pyrene	ND	2.0	µg/L							
n-Decane	ND	2.0	µg/L							
n-Docosane	ND	2.0	µg/L							
n-Dodecane	ND	2.0	µg/L							
n-Eicosane	ND	2.0	µg/L							
n-Hexacosane	ND	2.0	µg/L							
n-Hexadecane	ND	2.0	µg/L							
n-Hexatriacontane	ND	2.0	µg/L							
n-Nonadecane	ND	2.0	µg/L							
n-Nonane	ND	2.0	µg/L							
n-Octacosane	ND	2.0	µg/L							
n-Octadecane	ND	2.0	µg/L							
n-Tetracosane	ND	2.0	µg/L							
n-Tetradecane	ND	2.0	µg/L							
n-Triacontane	ND	2.0	µg/L							
Naphthalene-aliphatic fraction	ND	2.0	µg/L							
2-Methylnaphthalene-aliphatic fraction	ND	2.0	µg/L							
Surrogate: Chlorooctadecane (COD)	58.4		µg/L	100		58.4	40-140			
Surrogate: o-Terphenyl (OTP)	72.5		µg/L	100		72.5	40-140			
Surrogate: 2-Bromonaphthalene	94.5		µg/L	101		93.9	40-140			
Surrogate: 2-Fluorobiphenyl	91.1		µg/L	100		90.9	40-140			

**LCS (B198960-BS1)**

Prepared: 03/16/18 Analyzed: 03/19/18

C9-C18 Aliphatics	466	100	µg/L	600		77.7	0-200			
C19-C36 Aliphatics	679	100	µg/L	800		84.9	0-200			
Acenaphthene	81.3	2.0	µg/L	100		81.3	40-140			
Acenaphthylene	79.0	2.0	µg/L	100		79.0	40-140			
Anthracene	88.9	2.0	µg/L	100		88.9	40-140			
Benzo(a)anthracene	88.6	2.0	µg/L	100		88.6	40-140			
Benzo(a)pyrene	84.5	2.0	µg/L	100		84.5	40-140			
Benzo(b)fluoranthene	85.3	2.0	µg/L	100		85.3	40-140			
Benzo(g,h,i)perylene	85.2	2.0	µg/L	100		85.2	40-140			

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**QUALITY CONTROL**

**Petroleum Hydrocarbons Analyses - EPH - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B198960 - SW-846 3510C**

**LCS (B198960-BS1)**

Prepared: 03/16/18 Analyzed: 03/19/18

Benzo(k)fluoranthene	85.1	2.0	µg/L	100		85.1	40-140			
Chrysene	88.7	2.0	µg/L	100		88.7	40-140			
Dibenz(a,h)anthracene	87.4	2.0	µg/L	100		87.4	40-140			
Fluoranthene	89.0	2.0	µg/L	100		89.0	40-140			
Fluorene	85.2	2.0	µg/L	100		85.2	40-140			
Indeno(1,2,3-cd)pyrene	79.7	2.0	µg/L	100		79.7	40-140			
2-Methylnaphthalene	80.0	2.0	µg/L	100		80.0	40-140			
Naphthalene	70.1	2.0	µg/L	100		70.1	40-140			
Phenanthrene	88.6	2.0	µg/L	100		88.6	40-140			
Pyrene	89.9	2.0	µg/L	100		89.9	40-140			
n-Decane	55.1	2.0	µg/L	100		55.1	40-140			
n-Docosane	80.4	2.0	µg/L	100		80.4	40-140			
n-Dodecane	65.6	2.0	µg/L	100		65.6	40-140			
n-Eicosane	80.2	2.0	µg/L	100		80.2	40-140			
n-Hexacosane	78.0	2.0	µg/L	100		78.0	40-140			
n-Hexadecane	81.4	2.0	µg/L	100		81.4	40-140			
n-Hexatriacontane	75.3	2.0	µg/L	100		75.3	40-140			
n-Nonadecane	81.5	2.0	µg/L	100		81.5	40-140			
n-Nonane	43.3	2.0	µg/L	100		43.3	30-140			
n-Octacosane	76.3	2.0	µg/L	100		76.3	40-140			
n-Octadecane	84.6	2.0	µg/L	100		84.6	40-140			
n-Tetracosane	79.0	2.0	µg/L	100		79.0	40-140			
n-Tetradecane	76.6	2.0	µg/L	100		76.6	40-140			
n-Triacontane	74.7	2.0	µg/L	100		74.7	40-140			
Naphthalene-aliphatic fraction	ND	2.0	µg/L	100			0-5			
2-Methylnaphthalene-aliphatic fraction	ND	2.0	µg/L	100			0-5			
Surrogate: Chlorooctadecane (COD)	72.0		µg/L	100		72.0	40-140			
Surrogate: o-Terphenyl (OTP)	88.0		µg/L	100		88.0	40-140			
Surrogate: 2-Bromonaphthalene	97.3		µg/L	101		96.7	40-140			
Surrogate: 2-Fluorobiphenyl	97.2		µg/L	100		97.0	40-140			

**LCS Dup (B198960-BSD1)**

Prepared: 03/16/18 Analyzed: 03/19/18

C9-C18 Aliphatics	438	100	µg/L	600		73.0	0-200	6.20		
C19-C36 Aliphatics	647	100	µg/L	800		80.9	0-200	4.81		
Acenaphthene	75.0	2.0	µg/L	100		75.0	40-140	8.10	25	
Acenaphthylene	72.6	2.0	µg/L	100		72.6	40-140	8.51	25	
Anthracene	81.9	2.0	µg/L	100		81.9	40-140	8.18	25	
Benzo(a)anthracene	81.9	2.0	µg/L	100		81.9	40-140	7.82	25	
Benzo(a)pyrene	78.3	2.0	µg/L	100		78.3	40-140	7.68	25	
Benzo(b)fluoranthene	78.9	2.0	µg/L	100		78.9	40-140	7.83	25	
Benzo(g,h,i)perylene	79.0	2.0	µg/L	100		79.0	40-140	7.57	25	
Benzo(k)fluoranthene	78.7	2.0	µg/L	100		78.7	40-140	7.83	25	
Chrysene	82.1	2.0	µg/L	100		82.1	40-140	7.73	25	
Dibenz(a,h)anthracene	80.9	2.0	µg/L	100		80.9	40-140	7.74	25	
Fluoranthene	82.2	2.0	µg/L	100		82.2	40-140	7.99	25	
Fluorene	77.3	2.0	µg/L	100		77.3	40-140	9.81	25	
Indeno(1,2,3-cd)pyrene	73.6	2.0	µg/L	100		73.6	40-140	8.06	25	
2-Methylnaphthalene	73.2	2.0	µg/L	100		73.2	40-140	8.90	25	
Naphthalene	64.3	2.0	µg/L	100		64.3	40-140	8.65	25	
Phenanthrene	81.7	2.0	µg/L	100		81.7	40-140	8.15	25	
Pyrene	83.2	2.0	µg/L	100		83.2	40-140	7.72	25	
n-Decane	50.4	2.0	µg/L	100		50.4	40-140	8.98	25	

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**QUALITY CONTROL**

**Petroleum Hydrocarbons Analyses - EPH - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B198960 - SW-846 3510C</b>										
<b>LCS Dup (B198960-BSD1)</b>										
					Prepared: 03/16/18 Analyzed: 03/19/18					
n-Docosane	74.9	2.0	µg/L	100		74.9	40-140	7.10	25	
n-Dodecane	59.8	2.0	µg/L	100		59.8	40-140	9.29	25	
n-Eicosane	74.8	2.0	µg/L	100		74.8	40-140	6.98	25	
n-Hexacosane	72.6	2.0	µg/L	100		72.6	40-140	7.22	25	
n-Hexadecane	75.1	2.0	µg/L	100		75.1	40-140	8.07	25	
n-Hexatriacontane	69.4	2.0	µg/L	100		69.4	40-140	8.12	25	
n-Nonadecane	75.8	2.0	µg/L	100		75.8	40-140	7.28	25	
n-Nonane	39.4	2.0	µg/L	100		39.4	30-140	9.38	25	
n-Octacosane	70.6	2.0	µg/L	100		70.6	40-140	7.78	25	
n-Octadecane	78.8	2.0	µg/L	100		78.8	40-140	7.06	25	
n-Tetracosane	73.7	2.0	µg/L	100		73.7	40-140	7.06	25	
n-Tetradecane	70.0	2.0	µg/L	100		70.0	40-140	9.01	25	
n-Triacontane	69.1	2.0	µg/L	100		69.1	40-140	7.87	25	
Naphthalene-aliphatic fraction	ND	2.0	µg/L	100			0-5			
2-Methylnaphthalene-aliphatic fraction	ND	2.0	µg/L	100			0-5			
Surrogate: Chlorooctadecane (COD)	66.2		µg/L	100		66.2	40-140			
Surrogate: o-Terphenyl (OTP)	80.4		µg/L	100		80.4	40-140			
Surrogate: 2-Bromonaphthalene	96.1		µg/L	101		95.6	40-140			
Surrogate: 2-Fluorobiphenyl	96.1		µg/L	100		95.9	40-140			

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**QUALITY CONTROL**

**Metals Analyses (Dissolved) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B198932 - SW-846 7470A Dissolved</b>										
<b>Blank (B198932-BLK1)</b>				Prepared & Analyzed: 03/16/18						
Mercury	ND	0.00010	mg/L							
<b>LCS (B198932-BS1)</b>				Prepared & Analyzed: 03/16/18						
Mercury	0.00193	0.00010	mg/L	0.00200		96.4	80-120			
<b>LCS Dup (B198932-BSD1)</b>				Prepared & Analyzed: 03/16/18						
Mercury	0.00204	0.00010	mg/L	0.00200		102	80-120	5.74	20	
<b>Duplicate (B198932-DUP1)</b>				Source: 18C0632-01			Prepared & Analyzed: 03/16/18			
Mercury	ND	0.00010	mg/L		ND			NC	20	
<b>Matrix Spike (B198932-MS1)</b>				Source: 18C0632-01			Prepared & Analyzed: 03/16/18			
Mercury	0.00197	0.00010	mg/L	0.00200	0.0000342	96.8	75-125			
<b>Batch B198958 - SW-846 3005A Dissolved</b>										
<b>Blank (B198958-BLK1)</b>				Prepared: 03/16/18 Analyzed: 03/19/18						
Antimony	ND	5.0	µg/L							
Arsenic	ND	2.0	µg/L							
Barium	ND	50	µg/L							
Beryllium	ND	2.0	µg/L							
Cadmium	ND	2.5	µg/L							
Chromium	ND	5.0	µg/L							
Lead	ND	5.0	µg/L							
Nickel	ND	25	µg/L							
Selenium	ND	25	µg/L							
Silver	ND	2.5	µg/L							
Thallium	ND	1.0	µg/L							
Vanadium	ND	25	µg/L							
Zinc	ND	50	µg/L							
<b>LCS (B198958-BS1)</b>				Prepared: 03/16/18 Analyzed: 03/19/18						
Antimony	476	10	µg/L	500		95.3	80-120			
Arsenic	518	4.0	µg/L	500		104	80-120			
Barium	506	100	µg/L	500		101	80-120			
Beryllium	511	4.0	µg/L	500		102	80-120			
Cadmium	515	5.0	µg/L	500		103	80-120			
Chromium	526	10	µg/L	500		105	80-120			
Lead	518	10	µg/L	500		104	80-120			
Nickel	508	50	µg/L	500		102	80-120			
Selenium	526	50	µg/L	500		105	80-120			
Silver	434	5.0	µg/L	500		86.8	80-120			
Thallium	512	2.0	µg/L	500		102	80-120			
Vanadium	520	50	µg/L	500		104	80-120			
Zinc	1070	100	µg/L	1000		107	80-120			

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**QUALITY CONTROL**

**Metals Analyses (Dissolved) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B198958 - SW-846 3005A Dissolved**

**LCS Dup (B198958-BSD1)**

Prepared: 03/16/18 Analyzed: 03/19/18

Antimony	489	10	µg/L	500		97.8	80-120	2.56	20	
Arsenic	530	4.0	µg/L	500		106	80-120	2.18	20	
Barium	517	100	µg/L	500		103	80-120	2.03	20	
Beryllium	513	4.0	µg/L	500		103	80-120	0.382	20	
Cadmium	524	5.0	µg/L	500		105	80-120	1.78	20	
Chromium	536	10	µg/L	500		107	80-120	2.04	20	
Lead	526	10	µg/L	500		105	80-120	1.62	20	
Nickel	524	50	µg/L	500		105	80-120	3.13	20	
Selenium	534	50	µg/L	500		107	80-120	1.52	20	
Silver	464	5.0	µg/L	500		92.8	80-120	6.70	20	
Thallium	521	2.0	µg/L	500		104	80-120	1.74	20	
Vanadium	533	50	µg/L	500		107	80-120	2.44	20	
Zinc	1100	100	µg/L	1000		110	80-120	3.05	20	

**Duplicate (B198958-DUP1)**

**Source: 18C0632-01**

Prepared: 03/16/18 Analyzed: 03/19/18

Antimony	ND	5.0	µg/L		ND			NC	20	
Arsenic	ND	2.0	µg/L		ND			NC	20	
Barium	72.6	50	µg/L		76.6			5.41	20	
Beryllium	ND	2.0	µg/L		ND			NC	20	
Cadmium	ND	2.5	µg/L		ND			NC	20	
Chromium	ND	5.0	µg/L		ND			NC	20	
Lead	ND	5.0	µg/L		ND			NC	20	
Nickel	ND	25	µg/L		ND			NC	20	
Selenium	ND	25	µg/L		ND			NC	20	
Silver	ND	2.5	µg/L		ND			NC	20	
Thallium	ND	1.0	µg/L		ND			NC	20	
Vanadium	ND	25	µg/L		ND			NC	20	
Zinc	ND	50	µg/L		ND			NC	20	

**Matrix Spike (B198958-MS1)**

**Source: 18C0632-01**

Prepared: 03/16/18 Analyzed: 03/19/18

Antimony	524	10	µg/L	500	ND	105	75-125			
Arsenic	532	4.0	µg/L	500	ND	106	75-125			
Barium	593	100	µg/L	500	76.6	103	75-125			
Beryllium	517	4.0	µg/L	500	ND	103	75-125			
Cadmium	521	5.0	µg/L	500	ND	104	75-125			
Chromium	532	10	µg/L	500	ND	106	75-125			
Lead	535	10	µg/L	500	ND	107	75-125			
Nickel	511	50	µg/L	500	ND	102	75-125			
Selenium	528	50	µg/L	500	ND	106	75-125			
<b>Silver</b>	204	5.0	µg/L	500	ND	<b>40.7</b>	* 75-125			MS-07
Thallium	538	2.0	µg/L	500	ND	108	75-125			
Vanadium	536	50	µg/L	500	ND	107	75-125			
Zinc	1060	100	µg/L	1000	ND	106	75-125			

**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
MS-07	Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
RL-07	Elevated reporting limit based on lowest point in calibration. MA CAM reporting limit not met.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<b>MADEP-EPH-04-1.1 in Water</b>	
C9-C18 Aliphatics	CT,NC,ME,NH-P
C19-C36 Aliphatics	CT,NC,ME,NH-P
Unadjusted C11-C22 Aromatics	CT,NC,ME,NH-P
C11-C22 Aromatics	CT,NC,ME,NH-P
Acenaphthene	CT,NC,ME,NH-P
Acenaphthylene	CT,NC,ME,NH-P
Anthracene	CT,NC,ME,NH-P
Benzo(a)anthracene	CT,NC,ME,NH-P
Benzo(a)pyrene	CT,NC,ME,NH-P
Benzo(b)fluoranthene	CT,NC,ME,NH-P
Benzo(g,h,i)perylene	CT,NC,ME,NH-P
Benzo(k)fluoranthene	CT,NC,ME,NH-P
Chrysene	CT,NC,ME,NH-P
Dibenz(a,h)anthracene	CT,NC,ME,NH-P
Fluoranthene	CT,NC,ME,NH-P
Fluorene	CT,NC,ME
Indeno(1,2,3-cd)pyrene	CT,NC,ME,NH-P
2-Methylnaphthalene	CT,NC
Naphthalene	CT,NC,ME,NH-P
Phenanthrene	CT,NC,ME,NH-P
Pyrene	CT,NC,ME,NH-P
<b>SW-846 6020A-B in Water</b>	
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,NC,ME,VA
Barium	MA,NY,CT,NC,NH,ME,VA
Beryllium	CT,NH,NY,NC,ME,VA
Cadmium	CT,NH,NY,NC,ME,VA
Chromium	CT,NH,NY,NC,ME,VA
Lead	CT,NH,NY,NC,ME,VA
Nickel	CT,NH,NY,NC,ME,VA
Selenium	CT,NH,NY,NC,ME,VA
Silver	CT,NC,NH,NY,ME,VA
Thallium	CT,NH,NY,NC,ME,VA
Vanadium	CT,NH,NY,NC,ME,VA
Zinc	CT,NH,NY,NC,ME,VA
<b>SW-846 7470A in Water</b>	
Mercury	CT,NH,NY,NC,ME,VA
<b>SW-846 8260C in Water</b>	
Acetone	CT,NH,NY,ME
tert-Amyl Methyl Ether (TAME)	NH,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	ME
Bromochloromethane	NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME

## CERTIFICATIONS

## Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Water</i>	
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	NY,ME
sec-Butylbenzene	NY,ME
tert-Butylbenzene	NY,ME
tert-Butyl Ethyl Ether (TBEE)	NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	NY,ME
4-Chlorotoluene	NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NH,NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Diisopropyl Ether (DIPE)	NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	NY,ME
p-Isopropyltoluene (p-Cymene)	CT,NH,NY,ME
Methyl tert-Butyl Ether (MTBE)	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,ME
Naphthalene	NH,NY,ME
n-Propylbenzene	CT,NH,NY,ME
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,3-Trichlorobenzene	NH,NY,ME



**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<i>SW-846 8260C in Water</i>	
1,2,4-Trichlorobenzene	CT,NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,2,4-Trimethylbenzene	NY,ME
1,3,5-Trimethylbenzene	NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME
o-Xylene	CT,NH,NY,ME

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

1820632



Phone: 413-525-2332  
Fax: 413-525-6405  
Email: info@contestlabs.com

Client Name: WHS  
Address: 5 Candover Way Dr  
Phone: 1-800-SAMPSON  
Project Location: Somerville  
Project Number: 100 Spruce  
Project Manager: Joe Spruce  
Con-Test Quote Name/Number:  
Invoice Recipient: Foyt Smith  
Sampled By:

Requested Turnaround Time:  
7-Day  10-Day   
Dive Date:  
1-Day  3-Day   
2-Day  4-Day   
Format: PDF  EXCEL   
Other:  
CLP Like Data Pkg Required:   
Email To: Smart@wspa.com  
Fax To #:

Con-Test Work Order #	Client Sample ID / Description	Requesting Department	Sampling Date/Time	Sample Volume	Analysis Requested	Special Requirements
1	MW-101	3/15	13:50	1 GW M/L	DISSOVd MCR14 EPAH VOCs	MA MCP Required
2	MW-102	↓	15:20	↓	↓	MCP Certification Form Required
3	MW-103	↓	12:10	↓	↓	CT RCP Required
4	MW-104	↓	10:35	↓	↓	RCP Certification Form Required

Comments:

Metals are Filtrid filtered

GW-2/3 per Joe S - MEK 3/16/2018

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
<i>[Signature]</i>	3/15 15:30	<i>[Signature]</i>	3/15/18 16:00
<i>[Signature]</i>	3/15/18	<i>[Signature]</i>	3/15/18 19:00
<i>[Signature]</i>	3/15/18 19:00	<i>[Signature]</i>	3/15/18 19:00
<i>[Signature]</i>	3/15/18 19:00	<i>[Signature]</i>	3/15/18 19:00

**1 Matrix Codes:**  
GW = Ground Water  
WW = Waste Water  
DW = Drinking Water  
A = Air  
S = Soil  
SL = Sludge  
SOL = Solid  
O = Other (please define)

**2 Preservation Codes:**  
I = Iced  
H = HCL  
M = Methanol  
N = Nitric Acid  
S = Sulfuric Acid  
B = Sodium Bisulfate  
X = Sodium Hydroxide  
T = Sodium Trisulfate  
O = Other (please define)

**3 Container Codes:**  
A = Amber Glass  
G = Glass  
P = Plastic  
ST = Sterile  
V = Vial  
S = Summa Canister  
T = Tedlar Bag  
O = Other (please define)

**4 # of Containers**

**5 Preservation Code**

**6 Container Code**

**7 Dissolved Metals Samples**  
 Field Filtered  
 Lab-to Filter

**8 Organic Metals Samples**  
 Field Filtered  
 Lab to Filter

**9 PCBs**  
 Field Filtered  
 Lab to Filter



Other  
 Chromatogram  
 AHA-LAP, LLC

Municipality  
 WRTA  
 MWRA  
 School  
 MBTA

Government  
 Federal  
 City

Project Entity  
 Government  
 Federal  
 City

MA State DW Required  
MA State DW Required

MA MCP Required  
MCP Certification Form Required  
CT RCP Required  
RCP Certification Form Required

MA State DW Required  
MA State DW Required

MA State DW Required  
MA State DW Required



**con-test**  
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False**

Client W + S

Received By SE Date 3/15/18 Time 19:00

How were the samples received?  
 In Cooler T No Cooler \_\_\_\_\_ On Ice T No Ice \_\_\_\_\_  
 Direct from Sampling \_\_\_\_\_ Ambient \_\_\_\_\_ Melted Ice \_\_\_\_\_

Were samples within Temperature? 2-6°C T By Gun # 577 Actual Temp - 3.5  
 By Blank # \_\_\_\_\_ Actual Temp - \_\_\_\_\_

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A  
 Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent information? Client T Analysis T Sampler Name F  
 Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F

Are there Rushes? F

Are there Short Holds? F

Is there enough Volume? T

Is there Headspace where applicable? F

Proper Media/Containers Used? T

Were trip blanks received? F

Do all samples have the proper pH? T

Who was notified? \_\_\_\_\_

Who was notified? \_\_\_\_\_

Who was notified? \_\_\_\_\_

MS/MSD? F

Is splitting samples required? F

On COC? N/A

Acid pH < 2 Base \_\_\_\_\_

Vials	#	Containers	#	#	#
Unp-		1 Liter Amb.	8	1 Liter Plastic	16 oz Amb.
HCL-	12	500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

**Unused Media**

Vials	#	Containers	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Comments:

## MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Con-Test Analytical Laboratory	Project #: 18C0632
Project Location: Conway Park., Somerville, MA	RTN:

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]

18C0632-01 thru 18C0632-04

Matrices: Water

**CAM Protocol (check all that below)**

8260 VOC CAM II A (X)	7470/7471 Hg CAM IIIB (X)	MassDEP VPH CAM IV A ( )	8081 Pesticides CAM V B ( )	7196 Hex Cr CAM VI B ( )	MassDEP APH CAM IX A ( )
8270 SVOC CAM II B ( )	7010 Metals CAM III C ( )	MassDEP EPH CAM IV A (X)	8151 Herbicides CAM V C ( )	8330 Explosives CAM VIII A ( )	TO-15 VOC CAM IX B ( )
6010 Metals CAM III A ( )	6020 Metals CAM III D (X)	8082 PCB CAM V A ( )	9014 Total Cyanide/PAC CAM VI A ( )	6860 Perchlorate CAM VIII B ( )	

**Affirmative response to Questions A through F is required for "Presumptive Certainty" status**

<b>A</b>	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>B</b>	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>C</b>	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>D</b>	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>E a</b>	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>E b</b>	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	<input type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>F</b>	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all No responses to Questions A through E)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>

**A response to questions G, H and I below is required for "Presumptive Certainty" status**

<b>G</b>	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>
----------	---	--

**Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.**

<b>H</b>	Were all QC performance standards specified in the CAM protocol(s) achieved?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>
<b>I</b>	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>

<sup>1</sup>All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

**I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.**

Signature: \_\_\_\_\_ *Lisa Worthington* \_\_\_\_\_ Position: Project Manager  
 Printed Name: Lisa A. Worthington Date: 03/22/18

March 28, 2018

Joe Spencer  
Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960

Project Location: Conway Park., Somerville  
Client Job Number:  
Project Number: [none]  
Laboratory Work Order Number: 18C1004

Enclosed are results of analyses for samples received by the laboratory on March 26, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Meghan E. Kelley". The signature is written in a cursive style with a large, sweeping flourish at the end.

Meghan E. Kelley  
Project Manager

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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Joe Spencer

REPORT DATE: 3/28/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18C1004

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B113	18C1004-01	Soil		SM 2540G SW-846 8082A	
B109	18C1004-02	Soil		SM 2540G SW-846 8082A	
B108	18C1004-03	Soil		SM 2540G SW-846 8082A	
B103	18C1004-04	Soil		SM 2540G SW-846 8082A	
B110	18C1004-05	Soil		SM 2540G SW-846 8082A	
B105	18C1004-06	Soil		SM 2540G SW-846 8082A	
B112	18C1004-07	Soil		SM 2540G SW-846 8082A	
B111	18C1004-08	Soil		SM 2540G SW-846 8082A	
B104	18C1004-09	Soil		SM 2540G SW-846 8082A	
B106	18C1004-10	Soil		SM 2540G SW-846 8082A	

## CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082A

**Qualifications:****MS-21**

Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.

**Analyte & Samples(s) Qualified:****Aroclor-1016**

B199573-MS1, B199573-MSD1

**Aroclor-1016 [2C]**

B199573-MS1, B199573-MSD1

**Aroclor-1260**

B199573-MS1, B199573-MSD1

**Aroclor-1260 [2C]**

B199573-MS1, B199573-MSD1

**O-32**

A dilution was performed as part of the standard analytical procedure.

**Analyte & Samples(s) Qualified:**

18C1004-07[B112], 18C1004-10[B106]

**S-01**

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**Analyte & Samples(s) Qualified:****Decachlorobiphenyl**

18C1004-01[B113], 18C1004-02[B109], 18C1004-03[B108], 18C1004-06[B105], 18C1004-08[B111], 18C1004-09[B104]

**Decachlorobiphenyl [2C]**

18C1004-01[B113], 18C1004-02[B109], 18C1004-03[B108], 18C1004-06[B105], 18C1004-08[B111], 18C1004-09[B104]

**Tetrachloro-m-xylene**

18C1004-01[B113], 18C1004-02[B109], 18C1004-03[B108], 18C1004-06[B105], 18C1004-08[B111], 18C1004-09[B104]

**Tetrachloro-m-xylene [2C]**

18C1004-01[B113], 18C1004-02[B109], 18C1004-03[B108], 18C1004-06[B105], 18C1004-08[B111], 18C1004-09[B104]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington  
Project Manager



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1004

Date Received: 3/26/2018

Field Sample #: B113

Sampled: 3/26/2018 08:00

Sample ID: 18C1004-01

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 11:38	TG
Aroclor-1221 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 11:38	TG
Aroclor-1232 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 11:38	TG
Aroclor-1242 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 11:38	TG
Aroclor-1248 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 11:38	TG
Aroclor-1254 [1]	7.8	0.87	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 11:38	TG
Aroclor-1260 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 11:38	TG
Aroclor-1262 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 11:38	TG
Aroclor-1268 [1]	ND	0.87	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 11:38	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			3/28/18 11:38	
Decachlorobiphenyl [2]		*	30-150		S-01			3/28/18 11:38	
Tetrachloro-m-xylene [1]		*	30-150		S-01			3/28/18 11:38	
Tetrachloro-m-xylene [2]		*	30-150		S-01			3/28/18 11:38	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1004

Date Received: 3/26/2018

Sampled: 3/26/2018 08:00

Field Sample #: B113

Sample ID: 18C1004-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.7		% Wt	1		SM 2540G	3/26/18	3/27/18 8:21	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1004

Date Received: 3/26/2018

Field Sample #: B109

Sampled: 3/26/2018 08:20

Sample ID: 18C1004-02

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 11:51	TG
Aroclor-1221 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 11:51	TG
Aroclor-1232 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 11:51	TG
Aroclor-1242 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 11:51	TG
Aroclor-1248 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 11:51	TG
Aroclor-1254 [1]	6.4	0.92	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 11:51	TG
Aroclor-1260 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 11:51	TG
Aroclor-1262 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 11:51	TG
Aroclor-1268 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 11:51	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			3/28/18 11:51	
Decachlorobiphenyl [2]		*	30-150		S-01			3/28/18 11:51	
Tetrachloro-m-xylene [1]		*	30-150		S-01			3/28/18 11:51	
Tetrachloro-m-xylene [2]		*	30-150		S-01			3/28/18 11:51	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1004

Date Received: 3/26/2018

Sampled: 3/26/2018 08:20

Field Sample #: B109

Sample ID: 18C1004-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.2		% Wt	1		SM 2540G	3/26/18	3/27/18 8:22	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1004

Date Received: 3/26/2018

Field Sample #: B108

Sampled: 3/26/2018 08:40

Sample ID: 18C1004-03

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.95	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 12:03	TG
Aroclor-1221 [1]	ND	0.95	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 12:03	TG
Aroclor-1232 [1]	ND	0.95	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 12:03	TG
Aroclor-1242 [1]	ND	0.95	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 12:03	TG
Aroclor-1248 [1]	ND	0.95	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 12:03	TG
Aroclor-1254 [1]	6.6	0.95	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 12:03	TG
Aroclor-1260 [1]	ND	0.95	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 12:03	TG
Aroclor-1262 [1]	ND	0.95	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 12:03	TG
Aroclor-1268 [1]	ND	0.95	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 12:03	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			3/28/18 12:03	
Decachlorobiphenyl [2]		*	30-150		S-01			3/28/18 12:03	
Tetrachloro-m-xylene [1]		*	30-150		S-01			3/28/18 12:03	
Tetrachloro-m-xylene [2]		*	30-150		S-01			3/28/18 12:03	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1004

Date Received: 3/26/2018

Sampled: 3/26/2018 08:40

Field Sample #: B108

Sample ID: 18C1004-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.2		% Wt	1		SM 2540G	3/26/18	3/27/18 8:22	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1004

Date Received: 3/26/2018

Sampled: 3/26/2018 09:00

Field Sample #: B103

Sample ID: 18C1004-04

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	3/26/18	3/28/18 12:16	TG
Aroclor-1221 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	3/26/18	3/28/18 12:16	TG
Aroclor-1232 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	3/26/18	3/28/18 12:16	TG
Aroclor-1242 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	3/26/18	3/28/18 12:16	TG
Aroclor-1248 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	3/26/18	3/28/18 12:16	TG
Aroclor-1254 [1]	2.8	0.45	mg/Kg dry	20		SW-846 8082A	3/26/18	3/28/18 12:16	TG
Aroclor-1260 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	3/26/18	3/28/18 12:16	TG
Aroclor-1262 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	3/26/18	3/28/18 12:16	TG
Aroclor-1268 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	3/26/18	3/28/18 12:16	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		98.1	30-150					3/28/18 12:16	
Decachlorobiphenyl [2]		97.9	30-150					3/28/18 12:16	
Tetrachloro-m-xylene [1]		94.4	30-150					3/28/18 12:16	
Tetrachloro-m-xylene [2]		97.2	30-150					3/28/18 12:16	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1004

Date Received: 3/26/2018

Sampled: 3/26/2018 09:00

Field Sample #: B103

Sample ID: 18C1004-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.4		% Wt	1		SM 2540G	3/26/18	3/27/18 8:22	MJR



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1004

Date Received: 3/26/2018

Field Sample #: B110

Sampled: 3/26/2018 09:20

Sample ID: 18C1004-05

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 2:11	TG
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 2:11	TG
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 2:11	TG
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 2:11	TG
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 2:11	TG
Aroclor-1254 [1]	0.14	0.085	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 2:11	TG
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 2:11	TG
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 2:11	TG
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 2:11	TG
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	91.7		30-150				3/28/18 2:11		
Decachlorobiphenyl [2]	88.3		30-150				3/28/18 2:11		
Tetrachloro-m-xylene [1]	92.3		30-150				3/28/18 2:11		
Tetrachloro-m-xylene [2]	95.1		30-150				3/28/18 2:11		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1004

Date Received: 3/26/2018

Sampled: 3/26/2018 09:20

Field Sample #: B110

Sample ID: 18C1004-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.2		% Wt	1		SM 2540G	3/26/18	3/27/18 8:22	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1004

Date Received: 3/26/2018

Sampled: 3/26/2018 09:40

Field Sample #: B105

Sample ID: 18C1004-06

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 12:29	TG
Aroclor-1221 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 12:29	TG
Aroclor-1232 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 12:29	TG
Aroclor-1242 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 12:29	TG
Aroclor-1248 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 12:29	TG
Aroclor-1254 [1]	6.3	0.93	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 12:29	TG
Aroclor-1260 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 12:29	TG
Aroclor-1262 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 12:29	TG
Aroclor-1268 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 12:29	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			3/28/18 12:29	
Decachlorobiphenyl [2]		*	30-150		S-01			3/28/18 12:29	
Tetrachloro-m-xylene [1]		*	30-150		S-01			3/28/18 12:29	
Tetrachloro-m-xylene [2]		*	30-150		S-01			3/28/18 12:29	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1004

Date Received: 3/26/2018

Sampled: 3/26/2018 09:40

Field Sample #: B105

Sample ID: 18C1004-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.4		% Wt	1		SM 2540G	3/26/18	3/27/18 8:22	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1004

Date Received: 3/26/2018

Field Sample #: B112

Sampled: 3/26/2018 10:00

Sample ID: 18C1004-07

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 2:48	TG
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 2:48	TG
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 2:48	TG
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 2:48	TG
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 2:48	TG
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 2:48	TG
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 2:48	TG
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 2:48	TG
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 2:48	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		93.1	30-150					3/28/18 2:48	
Decachlorobiphenyl [2]		89.5	30-150					3/28/18 2:48	
Tetrachloro-m-xylene [1]		89.3	30-150					3/28/18 2:48	
Tetrachloro-m-xylene [2]		91.2	30-150					3/28/18 2:48	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1004

Date Received: 3/26/2018

Sampled: 3/26/2018 10:00

Field Sample #: B112

Sample ID: 18C1004-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.0		% Wt	1		SM 2540G	3/26/18	3/27/18 8:23	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1004

Date Received: 3/26/2018

Sampled: 3/26/2018 10:20

Field Sample #: B111

Sample ID: 18C1004-08

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	3/26/18	3/28/18 12:42	TG
Aroclor-1221 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	3/26/18	3/28/18 12:42	TG
Aroclor-1232 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	3/26/18	3/28/18 12:42	TG
Aroclor-1242 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	3/26/18	3/28/18 12:42	TG
Aroclor-1248 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	3/26/18	3/28/18 12:42	TG
Aroclor-1254 [1]	14	1.8	mg/Kg dry	80		SW-846 8082A	3/26/18	3/28/18 12:42	TG
Aroclor-1260 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	3/26/18	3/28/18 12:42	TG
Aroclor-1262 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	3/26/18	3/28/18 12:42	TG
Aroclor-1268 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	3/26/18	3/28/18 12:42	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			3/28/18 12:42	
Decachlorobiphenyl [2]		*	30-150		S-01			3/28/18 12:42	
Tetrachloro-m-xylene [1]		*	30-150		S-01			3/28/18 12:42	
Tetrachloro-m-xylene [2]		*	30-150		S-01			3/28/18 12:42	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1004

Date Received: 3/26/2018

Sampled: 3/26/2018 10:20

Field Sample #: B111

Sample ID: 18C1004-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.8		% Wt	1		SM 2540G	3/26/18	3/27/18 8:23	MJR



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1004

Date Received: 3/26/2018

Field Sample #: B104

Sampled: 3/26/2018 10:40

Sample ID: 18C1004-09

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	3/26/18	3/28/18 12:55	TG
Aroclor-1221 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	3/26/18	3/28/18 12:55	TG
Aroclor-1232 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	3/26/18	3/28/18 12:55	TG
Aroclor-1242 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	3/26/18	3/28/18 12:55	TG
Aroclor-1248 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	3/26/18	3/28/18 12:55	TG
Aroclor-1254 [1]	14	1.8	mg/Kg dry	80		SW-846 8082A	3/26/18	3/28/18 12:55	TG
Aroclor-1260 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	3/26/18	3/28/18 12:55	TG
Aroclor-1262 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	3/26/18	3/28/18 12:55	TG
Aroclor-1268 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	3/26/18	3/28/18 12:55	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			3/28/18 12:55	
Decachlorobiphenyl [2]		*	30-150		S-01			3/28/18 12:55	
Tetrachloro-m-xylene [1]		*	30-150		S-01			3/28/18 12:55	
Tetrachloro-m-xylene [2]		*	30-150		S-01			3/28/18 12:55	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1004

Date Received: 3/26/2018

Sampled: 3/26/2018 10:40

Field Sample #: B104

Sample ID: 18C1004-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.3		% Wt	1		SM 2540G	3/26/18	3/27/18 8:23	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1004

Date Received: 3/26/2018

Field Sample #: B106

Sampled: 3/26/2018 11:00

Sample ID: 18C1004-10

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 9:55	TG
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 9:55	TG
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 9:55	TG
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 9:55	TG
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 9:55	TG
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 9:55	TG
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 9:55	TG
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 9:55	TG
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 9:55	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		94.8	30-150					3/28/18 9:55	
Decachlorobiphenyl [2]		92.1	30-150					3/28/18 9:55	
Tetrachloro-m-xylene [1]		92.5	30-150					3/28/18 9:55	
Tetrachloro-m-xylene [2]		93.9	30-150					3/28/18 9:55	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1004

Date Received: 3/26/2018

Sampled: 3/26/2018 11:00

Field Sample #: B106

Sample ID: 18C1004-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.2		% Wt	1		SM 2540G	3/26/18	3/27/18 8:24	MJR

**Sample Extraction Data**

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18C1004-01 [B113]	B199569	03/26/18
18C1004-02 [B109]	B199569	03/26/18
18C1004-03 [B108]	B199569	03/26/18
18C1004-04 [B103]	B199569	03/26/18
18C1004-05 [B110]	B199569	03/26/18
18C1004-06 [B105]	B199569	03/26/18
18C1004-07 [B112]	B199569	03/26/18
18C1004-08 [B111]	B199569	03/26/18
18C1004-09 [B104]	B199569	03/26/18
18C1004-10 [B106]	B199569	03/26/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18C1004-01 [B113]	B199573	10.2	10.0	03/26/18
18C1004-02 [B109]	B199573	10.0	10.0	03/26/18
18C1004-03 [B108]	B199573	10.1	10.0	03/26/18
18C1004-04 [B103]	B199573	10.4	10.0	03/26/18
18C1004-05 [B110]	B199573	10.7	10.0	03/26/18
18C1004-06 [B105]	B199573	10.2	10.0	03/26/18
18C1004-07 [B112]	B199573	10.1	10.0	03/26/18
18C1004-08 [B111]	B199573	10.5	10.0	03/26/18
18C1004-09 [B104]	B199573	10.2	10.0	03/26/18
18C1004-10 [B106]	B199573	10.0	10.0	03/26/18

**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B199573 - SW-846 3540C</b>										
<b>Blank (B199573-BLK1)</b>										
Prepared: 03/26/18 Analyzed: 03/28/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.186		mg/Kg wet	0.200		93.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.181		mg/Kg wet	0.200		90.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.183		mg/Kg wet	0.200		91.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.182		mg/Kg wet	0.200		91.1	30-150			
<b>LCS (B199573-BS1)</b>										
Prepared: 03/26/18 Analyzed: 03/28/18										
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		96.6	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		97.2	40-140			
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		92.4	40-140			
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		87.4	40-140			
Surrogate: Decachlorobiphenyl	0.199		mg/Kg wet	0.200		99.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.195		mg/Kg wet	0.200		97.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.192		mg/Kg wet	0.200		96.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.191		mg/Kg wet	0.200		95.6	30-150			
<b>LCS Dup (B199573-BSD1)</b>										
Prepared: 03/26/18 Analyzed: 03/28/18										
Aroclor-1016	0.20	0.020	mg/Kg wet	0.200		102	40-140	5.39	30	
Aroclor-1016 [2C]	0.21	0.020	mg/Kg wet	0.200		103	40-140	6.28	30	
Aroclor-1260	0.20	0.020	mg/Kg wet	0.200		97.5	40-140	5.34	30	
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		93.0	40-140	6.24	30	
Surrogate: Decachlorobiphenyl	0.203		mg/Kg wet	0.200		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.201		mg/Kg wet	0.200		100	30-150			
Surrogate: Tetrachloro-m-xylene	0.200		mg/Kg wet	0.200		100	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.199		mg/Kg wet	0.200		99.4	30-150			

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**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B199573 - SW-846 3540C</b>										
<b>Matrix Spike (B199573-MS1)</b>	<b>Source: 18C1004-01</b>			Prepared: 03/26/18 Analyzed: 03/28/18						
<b>Aroclor-1016</b>	0.62	0.085	mg/Kg dry	0.212	ND	<b>291</b>	* 40-140			MS-21
<b>Aroclor-1016 [2C]</b>	1.4	0.085	mg/Kg dry	0.212	ND	<b>638</b>	* 40-140			MS-21
<b>Aroclor-1260</b>	1.8	0.085	mg/Kg dry	0.212	ND	<b>829</b>	* 40-140			MS-21
<b>Aroclor-1260 [2C]</b>	2.8	0.085	mg/Kg dry	0.212	ND	<b>1300</b>	* 40-140			MS-21
Surrogate: Decachlorobiphenyl	0.210		mg/Kg dry	0.212		98.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.209		mg/Kg dry	0.212		98.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.193		mg/Kg dry	0.212		90.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.194		mg/Kg dry	0.212		91.1	30-150			
<b>Matrix Spike Dup (B199573-MSD1)</b>	<b>Source: 18C1004-01</b>			Prepared: 03/26/18 Analyzed: 03/28/18						
<b>Aroclor-1016</b>	0.55	0.086	mg/Kg dry	0.214	ND	<b>258</b>	* 40-140	11.0	50	MS-21
<b>Aroclor-1016 [2C]</b>	1.2	0.086	mg/Kg dry	0.214	ND	<b>561</b>	* 40-140	12.0	50	MS-21
<b>Aroclor-1260</b>	1.6	0.086	mg/Kg dry	0.214	ND	<b>729</b>	* 40-140	11.8	50	MS-21
<b>Aroclor-1260 [2C]</b>	2.4	0.086	mg/Kg dry	0.214	ND	<b>1140</b>	* 40-140	12.2	50	MS-21
Surrogate: Decachlorobiphenyl	0.195		mg/Kg dry	0.214		91.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.195		mg/Kg dry	0.214		90.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.190		mg/Kg dry	0.214		88.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.191		mg/Kg dry	0.214		89.0	30-150			

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**QUALITY CONTROL**

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B199569 - % Solids**

**Duplicate (B199569-DUP6)**

**Source: 18C1004-01**

Prepared: 03/26/18 Analyzed: 03/27/18

% Solids	88.0		% Wt		89.7			1.90	20	
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**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

B113

*SW-846 8082A*

Lab Sample ID: 18C1004-01 Date(s) Analyzed: 03/28/2018 03/28/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: \_\_\_\_\_ (mm) GC Column (2): ID: \_\_\_\_\_ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	7.8	
	2	0.000	-0.030	0.030	7.3	6.6

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

<b>B109</b>
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Lab Sample ID: 18C1004-02 Date(s) Analyzed: 03/28/2018 03/28/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	6.4	
	2	0.000	-0.030	0.030	6.0	6.5

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

<b>B108</b>
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Lab Sample ID: 18C1004-03 Date(s) Analyzed: 03/28/2018 03/28/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	6.6	
	2	0.000	-0.030	0.030	6.2	6.3

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B103**

*SW-846 8082A*

Lab Sample ID: 18C1004-04 Date(s) Analyzed: 03/28/2018 03/28/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.8	
	2	0.000	-0.030	0.030	2.7	3.6

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

<b>B110</b>
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Lab Sample ID: 18C1004-05 Date(s) Analyzed: 03/28/2018 03/28/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.14	
	2	0.000	-0.030	0.030	0.14	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

**B105**

*SW-846 8082A*

Lab Sample ID: 18C1004-06 Date(s) Analyzed: 03/28/2018 03/28/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	6.3	
	2	0.000	-0.030	0.030	6.0	4.9

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

B111

*SW-846 8082A*

Lab Sample ID: 18C1004-08 Date(s) Analyzed: 03/28/2018 03/28/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	14	
	2	0.000	-0.030	0.030	14	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

<b>B104</b>
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Lab Sample ID: 18C1004-09 Date(s) Analyzed: 03/28/2018 03/28/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	14	
	2	0.000	-0.030	0.030	13	7.4



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**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
O-32	A dilution was performed as part of the standard analytical procedure.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<i>SW-846 8082A in Soil</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018



**Requested Turnaround Time**  
 7-Day  10-Day   
 Due Date: 3/28 if possible  
 Rush Approval Required

**Delivery**  
 1-Day  3-Day   
 2-Day  4-Day   
 Date Delivery:     

**Format**: PDF  EXCEL   
 Other:     

CLP Like Data Pkg Required:   
 Email To: SINHA@WSEINC.COM  
 Fax To #:     

Con-Test Work Order #	Client Sample ID / Description	Sample Date	Time	Matrix	Preservation	Container	Analysis Requested
1	B113	3/26	8:00	✓ S L			
2	B109		8:20				
3	B108		8:40				
4	B103		9:00				
5	B10		9:20				
6	B105		9:40				
7	B112		10:00				
8	B111		10:20				
9	B104		10:40				
10	B106		11:00				

**Comments:**  
 Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

**1 Matrix Codes:**  
 GW = Ground Water  
 WW = Waste Water  
 DW = Drinking Water  
 A = Air  
 S = Soil  
 SL = Sludge  
 SOL = Solid  
 O = Other (please define)

**2 Preservation Codes:**  
 I = Iced  
 H = HCL  
 M = Methanol  
 N = Nitric Acid  
 S = Sulfuric Acid  
 B = Sodium Bisulfate  
 X = Sodium Hydroxide  
 T = Sodium Thiosulfate  
 O = Other (please define)

**3 Container Codes:**  
 A = Amber Glass  
 G = Glass  
 P = Plastic  
 ST = Sterile  
 V = Vial  
 S = Surma Cantister  
 T = Tedlar Bag  
 O = Other (please define)

**PCB ONLY**  
 Soxhlet  
 Non Soxhlet

**Special Requirements:**  
 MA MCP Required   
 MCP Certification Form Required   
 CT MCP Required   
 RCP Certification Form Required   
 MA State DBP Required   
 PWSID #     

**Project Entity:**  
 Government  Municipality  MWRA  WRTA  
 Federal  21 J  School  MBTA  
 City  Brownfield  Other

**Signature/Date Log:**

Relinquished by: (signature)	Date/Time: 3/26
Received by: (signature)	Date/Time: 3/26/18 13:15
Relinquished by: (signature)	Date/Time: 3/26/18 18:50
Received by: (signature)	Date/Time: 3-26-18 18:50
Relinquished by: (signature)	Date/Time: 3-26-18
Received by: (signature)	Date/Time: 3-26-18





**con-test**<sup>®</sup>  
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False**

Client WES

Received By ESD Date 3-26-10 Time 16:50

How were the samples received? In Cooler T No Cooler \_\_\_\_\_ On Ice T No Ice \_\_\_\_\_  
 Direct from Sampling \_\_\_\_\_ Ambient \_\_\_\_\_ Melted Ice \_\_\_\_\_

Were samples within Temperature? 2-6°C T By Gun # 550 Actual Temp - 2.1  
 By Blank # \_\_\_\_\_ Actual Temp - \_\_\_\_\_

Was Custody Seal Intact? NA Were Samples Tampered with? NA  
 Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T  
 Did COC include all pertinent information? Client T Analysis ED RT Sampler Name F  
 Project T ID's 3-26-10 Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? \_\_\_\_\_  
 Are there Rushes? T Who was notified? RUS  
 Are there Short Holds? F Who was notified? \_\_\_\_\_

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F  
 Proper Media/Containers Used? T Is splitting samples required? F  
 Were trip blanks received? F On COC? F

Do all samples have the proper pH? NA Acid \_\_\_\_\_ Base \_\_\_\_\_

Unp-	1 Liter Amb.	1 Liter Plastic	16 oz Amb.
HCL-	500 mL Amb.	500 mL Plastic	8oz Amb/Clear
Meoh-	250 mL Amb.	250 mL Plastic	4oz Amb/Clear
Bisulfate-	Col./Bacteria	Flashpoint	2oz Amb/Clear
DI-	Other Plastic	Other Glass	Encore
Thiosulfate-	SOC Kit	Plastic Bag	Frozen:
Sulfuric-	Perchlorate	Ziplock	

**Unused Media**

Unp-	1 Liter Amb.	1 Liter Plastic	16 oz Amb.
HCL-	500 mL Amb.	500 mL Plastic	8oz Amb/Clear
Meoh-	250 mL Amb.	250 mL Plastic	4oz Amb/Clear
Bisulfate-	Col./Bacteria	Flashpoint	2oz Amb/Clear
DI-	Other Plastic	Other Glass	Encore
Thiosulfate-	SOC Kit	Plastic Bag	Frozen:
Sulfuric-	Perchlorate	Ziplock	

Comments:

March 28, 2018

Taylor Smith  
Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960

Project Location: Conway Park., Somerville  
Client Job Number:  
Project Number: [none]  
Laboratory Work Order Number: 18C1006

Enclosed are results of analyses for samples received by the laboratory on March 26, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Meghan E. Kelley". The signature is written in a cursive style with a large, sweeping 'y' at the end.

Meghan E. Kelley  
Project Manager

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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 3/28/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18C1006

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B115	18C1006-01	Soil		SM 2540G SW-846 8082A	
B116	18C1006-02	Soil		SM 2540G SW-846 8082A	
B117	18C1006-03	Soil		SM 2540G SW-846 8082A	
B118	18C1006-04	Soil		SM 2540G SW-846 8082A	
B121	18C1006-05	Soil		SM 2540G SW-846 8082A	
DUP1	18C1006-06	Soil		SM 2540G SW-846 8082A	
B125	18C1006-07	Soil		SM 2540G SW-846 8082A	
B124	18C1006-08	Soil		SM 2540G SW-846 8082A	
B123	18C1006-09	Soil		SM 2540G SW-846 8082A	
B122	18C1006-10	Soil		SM 2540G SW-846 8082A	

**CASE NARRATIVE SUMMARY**

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

**SW-846 8082A****Qualifications:****O-32**

A dilution was performed as part of the standard analytical procedure.

**Analyte & Samples(s) Qualified:**

18C1006-04[B118]

**S-01**

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

**Analyte & Samples(s) Qualified:****Decachlorobiphenyl**

18C1006-01[B115]

**Decachlorobiphenyl [2C]**

18C1006-01[B115]

**Tetrachloro-m-xylene**

18C1006-01[B115]

**Tetrachloro-m-xylene [2C]**

18C1006-01[B115]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington  
Project Manager



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1006

Date Received: 3/26/2018

Sampled: 3/26/2018 11:20

Field Sample #: B115

Sample ID: 18C1006-01

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 13:07	TG
Aroclor-1221 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 13:07	TG
Aroclor-1232 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 13:07	TG
Aroclor-1242 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 13:07	TG
Aroclor-1248 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 13:07	TG
Aroclor-1254 [1]	6.1	0.93	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 13:07	TG
Aroclor-1260 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 13:07	TG
Aroclor-1262 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 13:07	TG
Aroclor-1268 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	3/26/18	3/28/18 13:07	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			3/28/18 13:07	
Decachlorobiphenyl [2]		*	30-150		S-01			3/28/18 13:07	
Tetrachloro-m-xylene [1]		*	30-150		S-01			3/28/18 13:07	
Tetrachloro-m-xylene [2]		*	30-150		S-01			3/28/18 13:07	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1006

Date Received: 3/26/2018

Sampled: 3/26/2018 11:20

Field Sample #: B115

Sample ID: 18C1006-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.5		% Wt	1		SM 2540G	3/26/18	3/27/18 8:24	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1006

Date Received: 3/26/2018

Sampled: 3/26/2018 11:40

Field Sample #: B116

Sample ID: 18C1006-02

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 10:08	TG
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 10:08	TG
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 10:08	TG
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 10:08	TG
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 10:08	TG
Aroclor-1254 [1]	0.20	0.088	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 10:08	TG
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 10:08	TG
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 10:08	TG
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 10:08	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		94.9	30-150					3/28/18 10:08	
Decachlorobiphenyl [2]		92.0	30-150					3/28/18 10:08	
Tetrachloro-m-xylene [1]		86.7	30-150					3/28/18 10:08	
Tetrachloro-m-xylene [2]		89.2	30-150					3/28/18 10:08	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1006

Date Received: 3/26/2018

Sampled: 3/26/2018 11:40

Field Sample #: B116

Sample ID: 18C1006-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.4		% Wt	1		SM 2540G	3/26/18	3/27/18 8:24	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1006

Date Received: 3/26/2018

Field Sample #: B117

Sampled: 3/26/2018 12:00

Sample ID: 18C1006-03

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	3/26/18	3/28/18 13:20	TG
Aroclor-1221 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	3/26/18	3/28/18 13:20	TG
Aroclor-1232 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	3/26/18	3/28/18 13:20	TG
Aroclor-1242 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	3/26/18	3/28/18 13:20	TG
Aroclor-1248 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	3/26/18	3/28/18 13:20	TG
Aroclor-1254 [1]	2.8	0.46	mg/Kg dry	20		SW-846 8082A	3/26/18	3/28/18 13:20	TG
Aroclor-1260 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	3/26/18	3/28/18 13:20	TG
Aroclor-1262 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	3/26/18	3/28/18 13:20	TG
Aroclor-1268 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	3/26/18	3/28/18 13:20	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		105	30-150					3/28/18 13:20	
Decachlorobiphenyl [2]		104	30-150					3/28/18 13:20	
Tetrachloro-m-xylene [1]		99.0	30-150					3/28/18 13:20	
Tetrachloro-m-xylene [2]		102	30-150					3/28/18 13:20	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1006

Date Received: 3/26/2018

Sampled: 3/26/2018 12:00

Field Sample #: B117

Sample ID: 18C1006-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.0		% Wt	1		SM 2540G	3/26/18	3/27/18 8:24	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1006

Date Received: 3/26/2018

Field Sample #: B118

Sampled: 3/26/2018 12:20

Sample ID: 18C1006-04

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 10:21	TG
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 10:21	TG
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 10:21	TG
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 10:21	TG
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 10:21	TG
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 10:21	TG
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 10:21	TG
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 10:21	TG
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 10:21	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		89.1	30-150					3/28/18 10:21	
Decachlorobiphenyl [2]		107	30-150					3/28/18 10:21	
Tetrachloro-m-xylene [1]		80.5	30-150					3/28/18 10:21	
Tetrachloro-m-xylene [2]		80.2	30-150					3/28/18 10:21	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1006

Date Received: 3/26/2018

Sampled: 3/26/2018 12:20

Field Sample #: B118

Sample ID: 18C1006-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.8		% Wt	1		SM 2540G	3/26/18	3/27/18 8:24	MJR



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1006

Date Received: 3/26/2018

Field Sample #: B121

Sampled: 3/26/2018 12:40

Sample ID: 18C1006-05

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 6:21	TG
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 6:21	TG
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 6:21	TG
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 6:21	TG
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 6:21	TG
Aroclor-1254 [1]	0.48	0.087	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 6:21	TG
Aroclor-1260 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 6:21	TG
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 6:21	TG
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 6:21	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		87.8	30-150					3/28/18 6:21	
Decachlorobiphenyl [2]		88.2	30-150					3/28/18 6:21	
Tetrachloro-m-xylene [1]		86.2	30-150					3/28/18 6:21	
Tetrachloro-m-xylene [2]		86.7	30-150					3/28/18 6:21	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1006

Date Received: 3/26/2018

Sampled: 3/26/2018 12:40

Field Sample #: B121

Sample ID: 18C1006-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.3		% Wt	1		SM 2540G	3/26/18	3/27/18 8:25	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1006

Date Received: 3/26/2018

Sampled: 3/26/2018 00:00

Field Sample #: DUP1

Sample ID: 18C1006-06

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 6:40	TG
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 6:40	TG
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 6:40	TG
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 6:40	TG
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 6:40	TG
Aroclor-1254 [1]	0.11	0.086	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 6:40	TG
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 6:40	TG
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 6:40	TG
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 6:40	TG
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	90.9		30-150				3/28/18 6:40		
Decachlorobiphenyl [2]	89.8		30-150				3/28/18 6:40		
Tetrachloro-m-xylene [1]	90.0		30-150				3/28/18 6:40		
Tetrachloro-m-xylene [2]	90.6		30-150				3/28/18 6:40		

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1006

Date Received: 3/26/2018

Sampled: 3/26/2018 00:00

Field Sample #: DUP1

Sample ID: 18C1006-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.0		% Wt	1		SM 2540G	3/26/18	3/27/18 8:25	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1006

Date Received: 3/26/2018

Field Sample #: B125

Sampled: 3/26/2018 13:20

Sample ID: 18C1006-07

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 6:58	TG
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 6:58	TG
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 6:58	TG
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 6:58	TG
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 6:58	TG
Aroclor-1254 [1]	1.1	0.093	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 6:58	TG
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 6:58	TG
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 6:58	TG
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 6:58	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		92.3	30-150					3/28/18 6:58	
Decachlorobiphenyl [2]		93.9	30-150					3/28/18 6:58	
Tetrachloro-m-xylene [1]		92.6	30-150					3/28/18 6:58	
Tetrachloro-m-xylene [2]		92.9	30-150					3/28/18 6:58	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1006

Date Received: 3/26/2018

Sampled: 3/26/2018 13:20

Field Sample #: B125

Sample ID: 18C1006-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.0		% Wt	1		SM 2540G	3/26/18	3/27/18 8:25	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1006

Date Received: 3/26/2018

Sampled: 3/26/2018 13:40

Field Sample #: B124

Sample ID: 18C1006-08

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 7:16	TG
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 7:16	TG
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 7:16	TG
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 7:16	TG
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 7:16	TG
Aroclor-1254 [2]	0.20	0.084	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 7:16	TG
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 7:16	TG
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 7:16	TG
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 7:16	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		85.3	30-150					3/28/18 7:16	
Decachlorobiphenyl [2]		84.6	30-150					3/28/18 7:16	
Tetrachloro-m-xylene [1]		88.0	30-150					3/28/18 7:16	
Tetrachloro-m-xylene [2]		90.0	30-150					3/28/18 7:16	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1006

Date Received: 3/26/2018

Sampled: 3/26/2018 13:40

Field Sample #: B124

Sample ID: 18C1006-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.9		% Wt	1		SM 2540G	3/26/18	3/27/18 8:25	MJR



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1006

Date Received: 3/26/2018

Field Sample #: B123

Sampled: 3/26/2018 14:00

Sample ID: 18C1006-09

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.19	mg/Kg dry	8		SW-846 8082A	3/26/18	3/28/18 13:33	TG
Aroclor-1221 [1]	ND	0.19	mg/Kg dry	8		SW-846 8082A	3/26/18	3/28/18 13:33	TG
Aroclor-1232 [1]	ND	0.19	mg/Kg dry	8		SW-846 8082A	3/26/18	3/28/18 13:33	TG
Aroclor-1242 [1]	ND	0.19	mg/Kg dry	8		SW-846 8082A	3/26/18	3/28/18 13:33	TG
Aroclor-1248 [1]	ND	0.19	mg/Kg dry	8		SW-846 8082A	3/26/18	3/28/18 13:33	TG
Aroclor-1254 [1]	1.9	0.19	mg/Kg dry	8		SW-846 8082A	3/26/18	3/28/18 13:33	TG
Aroclor-1260 [1]	ND	0.19	mg/Kg dry	8		SW-846 8082A	3/26/18	3/28/18 13:33	TG
Aroclor-1262 [1]	ND	0.19	mg/Kg dry	8		SW-846 8082A	3/26/18	3/28/18 13:33	TG
Aroclor-1268 [1]	ND	0.19	mg/Kg dry	8		SW-846 8082A	3/26/18	3/28/18 13:33	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		98.8	30-150					3/28/18 13:33	
Decachlorobiphenyl [2]		102	30-150					3/28/18 13:33	
Tetrachloro-m-xylene [1]		95.2	30-150					3/28/18 13:33	
Tetrachloro-m-xylene [2]		96.9	30-150					3/28/18 13:33	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1006

Date Received: 3/26/2018

Sampled: 3/26/2018 14:00

Field Sample #: B123

Sample ID: 18C1006-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.8		% Wt	1		SM 2540G	3/26/18	3/27/18 8:25	MJR

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1006

Date Received: 3/26/2018

Field Sample #: B122

Sampled: 3/26/2018 14:20

Sample ID: 18C1006-10

Sample Matrix: Soil

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 7:53	TG
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 7:53	TG
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 7:53	TG
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 7:53	TG
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 7:53	TG
Aroclor-1254 [2]	0.10	0.085	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 7:53	TG
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 7:53	TG
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 7:53	TG
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	3/26/18	3/28/18 7:53	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		88.3	30-150					3/28/18 7:53	
Decachlorobiphenyl [2]		87.4	30-150					3/28/18 7:53	
Tetrachloro-m-xylene [1]		87.8	30-150					3/28/18 7:53	
Tetrachloro-m-xylene [2]		89.0	30-150					3/28/18 7:53	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1006

Date Received: 3/26/2018

Sampled: 3/26/2018 14:20

Field Sample #: B122

Sample ID: 18C1006-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.1		% Wt	1		SM 2540G	3/26/18	3/27/18 8:25	MJR

**Sample Extraction Data**

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18C1006-01 [B115]	B199569	03/26/18
18C1006-02 [B116]	B199569	03/26/18
18C1006-03 [B117]	B199569	03/26/18
18C1006-04 [B118]	B199569	03/26/18
18C1006-05 [B121]	B199569	03/26/18
18C1006-06 [DUP1]	B199569	03/26/18
18C1006-07 [B125]	B199569	03/26/18
18C1006-08 [B124]	B199569	03/26/18
18C1006-09 [B123]	B199569	03/26/18
18C1006-10 [B122]	B199569	03/26/18

**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18C1006-01 [B115]	B199573	10.6	10.0	03/26/18
18C1006-02 [B116]	B199573	10.2	10.0	03/26/18
18C1006-03 [B117]	B199573	10.2	10.0	03/26/18
18C1006-04 [B118]	B199573	10.4	10.0	03/26/18
18C1006-05 [B121]	B199573	10.4	10.0	03/26/18
18C1006-06 [DUP1]	B199573	10.0	10.0	03/26/18
18C1006-07 [B125]	B199573	10.0	10.0	03/26/18
18C1006-08 [B124]	B199573	10.3	10.0	03/26/18
18C1006-09 [B123]	B199573	10.0	10.0	03/26/18
18C1006-10 [B122]	B199573	10.2	10.0	03/26/18

**QUALITY CONTROL**

**Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B199573 - SW-846 3540C</b>										
<b>Blank (B199573-BLK1)</b>										
Prepared: 03/26/18 Analyzed: 03/28/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.186		mg/Kg wet	0.200		93.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.181		mg/Kg wet	0.200		90.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.183		mg/Kg wet	0.200		91.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.182		mg/Kg wet	0.200		91.1	30-150			
<b>LCS (B199573-BS1)</b>										
Prepared: 03/26/18 Analyzed: 03/28/18										
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		96.6	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		97.2	40-140			
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		92.4	40-140			
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		87.4	40-140			
Surrogate: Decachlorobiphenyl	0.199		mg/Kg wet	0.200		99.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.195		mg/Kg wet	0.200		97.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.192		mg/Kg wet	0.200		96.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.191		mg/Kg wet	0.200		95.6	30-150			
<b>LCS Dup (B199573-BSD1)</b>										
Prepared: 03/26/18 Analyzed: 03/28/18										
Aroclor-1016	0.20	0.020	mg/Kg wet	0.200		102	40-140	5.39	30	
Aroclor-1016 [2C]	0.21	0.020	mg/Kg wet	0.200		103	40-140	6.28	30	
Aroclor-1260	0.20	0.020	mg/Kg wet	0.200		97.5	40-140	5.34	30	
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		93.0	40-140	6.24	30	
Surrogate: Decachlorobiphenyl	0.203		mg/Kg wet	0.200		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.201		mg/Kg wet	0.200		100	30-150			
Surrogate: Tetrachloro-m-xylene	0.200		mg/Kg wet	0.200		100	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.199		mg/Kg wet	0.200		99.4	30-150			

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**QUALITY CONTROL**

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B199569 - % Solids**

**Duplicate (B199569-DUP7)**

**Source: 18C1006-01**

Prepared: 03/26/18 Analyzed: 03/27/18

% Solids	82.2		% Wt			81.5		0.761	20	
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**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

B115

*SW-846 8082A*

Lab Sample ID: 18C1006-01 Date(s) Analyzed: 03/28/2018 03/28/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	6.1	
	2	0.000	-0.030	0.030	5.8	5.0



**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

<b>B116</b>
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Lab Sample ID: 18C1006-02 Date(s) Analyzed: 03/28/2018 03/28/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.16	22.2

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**

B117

*SW-846 8082A*

Lab Sample ID: 18C1006-03 Date(s) Analyzed: 03/28/2018 03/28/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.8	
	2	0.000	-0.030	0.030	2.6	7.4

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

<b>B121</b>
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Lab Sample ID: 18C1006-05 Date(s) Analyzed: 03/28/2018 03/28/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.48	
	2	0.000	-0.030	0.030	0.47	2.1

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

<b>DUP1</b>
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Lab Sample ID: 18C1006-06 Date(s) Analyzed: 03/28/2018 03/28/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.11	
	2	0.000	-0.030	0.030	0.11	0.0

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

<b>B125</b>
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Lab Sample ID: 18C1006-07 Date(s) Analyzed: 03/28/2018 03/28/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.1	
	2	0.000	-0.030	0.030	1.1	8.7

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

<b>B124</b>
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Lab Sample ID: 18C1006-08 Date(s) Analyzed: 03/28/2018 03/28/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.15	
	2	0.000	-0.030	0.030	0.20	28.6

**IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES**  
*SW-846 8082A*

<b>B123</b>
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Lab Sample ID: 18C1006-09 Date(s) Analyzed: 03/28/2018 03/28/2018

Instrument ID (1): \_\_\_\_\_ Instrument ID (2): \_\_\_\_\_

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.9	
	2	0.000	-0.030	0.030	1.8	5.4

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**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
O-32	A dilution was performed as part of the standard analytical procedure.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.



**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<i>SW-846 8082A in Soil</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

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Email: info@contestlabs.com



Address: 5 Centerville Dr  
1-800-SAMPSON  
Conway Park  
Somerville

Project Location: Somerville

Project Number: Joe Spence

Project Manager: Joe Spence

Con-Test Quote Name/Number: Taylor Smith

Invoice Recipient: Taylor Smith

Sampled By: 1

Client Sample ID / Description: B115, B116, B117, B118, B121, DUP1, B125, B124, B123, B122

Collection Date: 3/26, 3/26, 3/26, 3/26, 3/26, 3/26, 3/26, 3/26, 3/26, 3/26

Time: 11:20, 11:40, 12:00, 12:20, 12:40, 13:00, 13:40, 14:00, 14:00, 14:00

Matrix Code: Y, S, L, L, L, L, L, L, L, L

Analysis Requested: [Grid with various analysis codes]

Special Requirements: MA MCP Required, CT RCP Required, MA State DIB Required

Project Entity: [Government, Federal, City, Municipality, 21 J, Brownfield, MWRA, School, MBTA, WRTA]

Other: Chromatogram, AIHA-LAP, LLC

PCB ONLY: Soxhlet, Non Soxhlet

Comments: Please use the following codes to indicate possible sample concentration within the Conc Code column above: H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) Date/Time: 3/23

Received by: (signature) Date/Time: 3/26/13 15:15

Relinquished by: (signature) Date/Time: 3/26/13 18:10

Received by: (signature) Date/Time: 3-26-13 18:50

Relinquished by: (signature) Date/Time: 3-26-13 18:50

Received by: (signature) Date/Time: 3-26-13 18:50

Relinquished by: (signature) Date/Time: 3-26-13 18:50

Received by: (signature) Date/Time: 3-26-13 18:50

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Received by: (signature) Date/Time: 3-26-13 18:50

Relinquished by: (signature) Date/Time: 3-26-13 18:50

Received by: (signature) Date/Time: 3-26-13 18:50



**con-test**  
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False**

Client WES

Received By ESD Date 3-26-18 Time 16:50

How were the samples received? In Cooler T No Cooler \_\_\_\_\_ On Ice T No Ice \_\_\_\_\_  
Direct from Sampling \_\_\_\_\_ Ambient \_\_\_\_\_ Melted Ice \_\_\_\_\_

Were samples within Temperature? 2-6°C T By Gun # 557 Actual Temp - 2.1  
By Blank # \_\_\_\_\_ Actual Temp - \_\_\_\_\_

Was Custody Seal Intact? NA Were Samples Tampered with? NA  
Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T  
Did COC include all pertinent Information? Client T Analysis F Sampler Name F  
Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F

Are there Rushes? T

Are there Short Holds? F

Is there enough Volume? T

Is there Headspace where applicable? F

Proper Media/Containers Used? T

Were trip blanks received? F

Do all samples have the proper pH? NA

Who was notified? \_\_\_\_\_

Who was notified? RUS

Who was notified? \_\_\_\_\_

MS/MSD? F

Is splitting samples required? F

On COC? F

Acid \_\_\_\_\_ Base \_\_\_\_\_

Vials	#	Containers	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	10
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

**Unused Media**

Vials	#	Containers	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

March 28, 2018

Taylor Smith  
Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960

Project Location: Conway Park., Somerville, MA  
Client Job Number:  
Project Number: [none]  
Laboratory Work Order Number: 18C1058

Enclosed are results of analyses for samples received by the laboratory on March 27, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Meghan E. Kelley". The signature is written in a cursive style with a large, sweeping flourish at the end.

Meghan E. Kelley  
Project Manager

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---

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960  
ATTN: Taylor Smith

REPORT DATE: 3/28/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

---

**ANALYTICAL SUMMARY**

---

WORK ORDER NUMBER: 18C1058

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-101	18C1058-01	Soil		SM 2540G SW-846 8082A	
B-120	18C1058-02	Soil		SM 2540G SW-846 8082A	

**CASE NARRATIVE SUMMARY**

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

**SW-846 8082A**

**Qualifications:**

---

**O-32**

A dilution was performed as part of the standard analytical procedure.

**Analyte & Samples(s) Qualified:**

18C1058-01[B-101], 18C1058-02[B-120]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington  
Project Manager

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18C1058

Date Received: 3/27/2018

Field Sample #: B-101

Sampled: 3/27/2018 14:00

Sample ID: 18C1058-01

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls By GC/ECD**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.33	mg/Kg dry	4		SW-846 8082A	3/27/18	3/28/18 11:27	KAL
Aroclor-1221 [1]	ND	0.33	mg/Kg dry	4		SW-846 8082A	3/27/18	3/28/18 11:27	KAL
Aroclor-1232 [1]	ND	0.33	mg/Kg dry	4		SW-846 8082A	3/27/18	3/28/18 11:27	KAL
Aroclor-1242 [1]	ND	0.33	mg/Kg dry	4		SW-846 8082A	3/27/18	3/28/18 11:27	KAL
Aroclor-1248 [1]	ND	0.33	mg/Kg dry	4		SW-846 8082A	3/27/18	3/28/18 11:27	KAL
Aroclor-1254 [1]	ND	0.33	mg/Kg dry	4		SW-846 8082A	3/27/18	3/28/18 11:27	KAL
Aroclor-1260 [1]	ND	0.33	mg/Kg dry	4		SW-846 8082A	3/27/18	3/28/18 11:27	KAL
Aroclor-1262 [1]	ND	0.33	mg/Kg dry	4		SW-846 8082A	3/27/18	3/28/18 11:27	KAL
Aroclor-1268 [1]	ND	0.33	mg/Kg dry	4		SW-846 8082A	3/27/18	3/28/18 11:27	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		90.5	30-150					3/28/18 11:27	
Decachlorobiphenyl [2]		88.2	30-150					3/28/18 11:27	
Tetrachloro-m-xylene [1]		88.2	30-150					3/28/18 11:27	
Tetrachloro-m-xylene [2]		87.6	30-150					3/28/18 11:27	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18C1058

Date Received: 3/27/2018

Field Sample #: B-101

Sampled: 3/27/2018 14:00

Sample ID: 18C1058-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	24.4		% Wt	1		SM 2540G	3/27/18	3/28/18 7:19	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18C1058

Date Received: 3/27/2018

Field Sample #: B-120

Sampled: 3/27/2018 13:45

Sample ID: 18C1058-02

Sample Matrix: Soil

Sample Flags: O-32

**Polychlorinated Biphenyls By GC/ECD**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	3/27/18	3/28/18 11:44	KAL
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	3/27/18	3/28/18 11:44	KAL
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	3/27/18	3/28/18 11:44	KAL
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	3/27/18	3/28/18 11:44	KAL
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	3/27/18	3/28/18 11:44	KAL
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	3/27/18	3/28/18 11:44	KAL
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	3/27/18	3/28/18 11:44	KAL
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	3/27/18	3/28/18 11:44	KAL
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	3/27/18	3/28/18 11:44	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		102	30-150					3/28/18 11:44	
Decachlorobiphenyl [2]		98.0	30-150					3/28/18 11:44	
Tetrachloro-m-xylene [1]		102	30-150					3/28/18 11:44	
Tetrachloro-m-xylene [2]		99.3	30-150					3/28/18 11:44	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville, MA

Sample Description:

Work Order: 18C1058

Date Received: 3/27/2018

Sampled: 3/27/2018 13:45

Field Sample #: B-120

Sample ID: 18C1058-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	54.3		% Wt	1		SM 2540G	3/27/18	3/28/18 7:19	JFC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**Sample Extraction Data****Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18C1058-01 [B-101]	B199649	03/27/18
18C1058-02 [B-120]	B199649	03/27/18

**Prep Method: SW-846 3546-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18C1058-01 [B-101]	B199594	10.0	10.0	03/27/18
18C1058-02 [B-120]	B199594	10.3	10.0	03/27/18

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**QUALITY CONTROL**

**Polychlorinated Biphenyls By GC/ECD - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B199594 - SW-846 3546</b>										
<b>Blank (B199594-BLK1)</b>										
Prepared: 03/27/18 Analyzed: 03/28/18										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.200		mg/Kg wet	0.200		99.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.197		mg/Kg wet	0.200		98.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.192		mg/Kg wet	0.200		96.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.190		mg/Kg wet	0.200		95.1	30-150			
<b>LCS (B199594-BS1)</b>										
Prepared: 03/27/18 Analyzed: 03/28/18										
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		85.2	40-140			
Aroclor-1016 [2C]	0.16	0.020	mg/Kg wet	0.200		79.6	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		80.1	40-140			
Aroclor-1260 [2C]	0.14	0.020	mg/Kg wet	0.200		71.3	40-140			
Surrogate: Decachlorobiphenyl	0.174		mg/Kg wet	0.200		87.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.172		mg/Kg wet	0.200		85.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.167		mg/Kg wet	0.200		83.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.165		mg/Kg wet	0.200		82.7	30-150			
<b>LCS Dup (B199594-BSD1)</b>										
Prepared: 03/27/18 Analyzed: 03/28/18										
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		92.0	40-140	7.74	30	
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		86.8	40-140	8.74	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		87.1	40-140	8.38	30	
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		79.3	40-140	10.6	30	
Surrogate: Decachlorobiphenyl	0.188		mg/Kg wet	0.200		93.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.185		mg/Kg wet	0.200		92.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.176		mg/Kg wet	0.200		87.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.173		mg/Kg wet	0.200		86.3	30-150			

---

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**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
O-32	A dilution was performed as part of the standard analytical procedure.

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<i>SW-846 8082A in Soil</i>	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018



Company Name: Wiston + Sampson  
 Address: 5 Centennial Dr  
 Phone: 1-800-SAMPSON  
 City/State: Conway Arts  
 Project Location: Salemville  
 Project Number:  
 Project Manager: Joe Spencer  
 Con-Test Quote Name/Number:  
 Invoice Recipient: Taylor Smith  
 Sampled By: 1

Requested Turnaround Time:  
 7-Day  10-Day   
 Due Date: 3/28 if possible  
 Rush Approval Required:  
 1-Day  3-Day   
 2-Day  4-Day   
 Data Delivery:  
 Format: PDF  EXCEL   
 Other:  
 CLP Like Data Pkg Required:   
 Email To:  
 Fax To #:

Con-Test Work Order	Client Sample ID / Description	Requested by Date/Time	Analysis Requested	Priority	Completion Time	Matrix Codes	Preservation Codes	Container Codes
1	B-101	3/27 1400		S	1400	GW = Ground Water WW = Waste Water DW = Drinking Water A = Air S = Soil SL = Sludge SOL = Solid O = Other (please define)	I = Iced H = HCL M = Methanol N = Nitric Acid S = Sulfuric Acid B = Sodium Bisulfate X = Sodium Hydroxide T = Sodium Thiosulfate O = Other (please define)	A = Amber Glass G = Glass P = Plastic ST = Sterile V = Vial S = Summa Canister T = Teflon Bag O = Other (please define)
2	B-120	3/27 1345		S	1345			

ANALYSIS REQUESTED

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) [Signature] Date/Time: 3/27/18 16:00  
 Received by: (signature) [Signature] Date/Time: 3/27/18 16:00  
 Relinquished by: (signature) [Signature] Date/Time: 3/27/18 18:45  
 Received by: (signature) [Signature] Date/Time: 3/27/18 18:45  
 Relinquished by: (signature) [Signature] Date/Time: 3/27/18 18:45  
 Received by: (signature) [Signature] Date/Time: 3/27/18 18:45

Special Requirements:  
 MA MCP Required  
 MCP Certification Form Required  
 CT RCP Required  
 RCP Certification Form Required  
 MA State DW Required

Project Entity:  
 Government  Municipality  MWRA  WRTA  Other  
 Federal  21 J  School  AINA-LAP, LLC  
 City  Brownfield  MBTA

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ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False**

Client Weston + Samson

Received By A.F Date 3/27/18 Time 1845

How were the samples received? In Cooler T No Cooler \_\_\_\_\_ On Ice T No Ice \_\_\_\_\_  
Direct from Sampling \_\_\_\_\_ Ambient \_\_\_\_\_ Melted Ice \_\_\_\_\_

Were samples within Temperature? 2-6°C T By Gun # 577 Actual Temp - 3.4  
By Blank # \_\_\_\_\_ Actual Temp - \_\_\_\_\_

Was Custody Seal Intact? n/a Were Samples Tampered with? n/a  
Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent information? Client T Analysis T Sampler Name T  
Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? n/a

Are there Rushes? T

Are there Short Holds? n/a

Is there enough Volume? T

Is there Headspace where applicable? n/a

Proper Media/Containers Used? T

Were trip blanks received? n/a

Do all samples have the proper pH? n/a

Who was notified? \_\_\_\_\_

Who was notified? TONY

Who was notified? \_\_\_\_\_

MS/MSD? n/a

Is splitting samples required? n/a

On COC? n/a

Acid \_\_\_\_\_ Base \_\_\_\_\_

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-		Other Plastic		Other Glass		Encore
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:
Sulfuric-		Perchlorate		Ziplock		

**Unused Media**

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-		Other Plastic		Other Glass		Encore
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:
Sulfuric-		Perchlorate		Ziplock		

Comments:

## MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Con-Test Analytical Laboratory	Project #: 18C1058
Project Location: Conway Park., Somerville, MA	RTN:

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]  
18C1058-01 thru 18C1058-02

Matrices: Soil

**CAM Protocol (check all that below)**

8260 VOC CAM II A ( )	7470/7471 Hg CAM IIIB ( )	MassDEP VPH CAM IV A ( )	8081 Pesticides CAM V B ( )	7196 Hex Cr CAM VI B ( )	MassDEP APH CAM IX A ( )
8270 SVOC CAM II B ( )	7010 Metals CAM III C ( )	MassDEP EPH CAM IV A ( )	8151 Herbicides CAM V C ( )	8330 Explosives CAM VIII A ( )	TO-15 VOC CAM IX B ( )
6010 Metals CAM III A ( )	6020 Metals CAM III D ( )	8082 PCB CAM V A (X)	9014 Total Cyanide/PAC CAM VI A ( )	6860 Perchlorate CAM VIII B ( )	

**Affirmative response to Questions A through F is required for "Presumptive Certainty" status**

<b>A</b>	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>B</b>	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>C</b>	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>D</b>	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>E a</b>	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	<input type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>E b</b>	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	<input type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>F</b>	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all No responses to Questions A through E)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>

**A response to questions G, H and I below is required for "Presumptive Certainty" status**

<b>G</b>	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
----------	---	--

**Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.**

<b>H</b>	Were all QC performance standards specified in the CAM protocol(s) achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>I</b>	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>

<sup>1</sup>All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

**I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.**

Signature: \_\_\_\_\_ *Lisa Worthington* \_\_\_\_\_ Position: Project Manager  
Printed Name: Lisa A. Worthington Date: 03/28/18

April 5, 2018

Joe Spencer  
Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960

Project Location: Conway Park., Somerville  
Client Job Number:  
Project Number: [none]  
Laboratory Work Order Number: 18C1152

Enclosed are results of analyses for samples received by the laboratory on March 29, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Meghan E. Kelley". The signature is written in a cursive style with a large, sweeping flourish at the end.

Meghan E. Kelley  
Project Manager

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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Joe Spencer

REPORT DATE: 4/5/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18C1152

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B113	18C1152-01	Soil		SM 2540G SW-846 6010C-D	
B109	18C1152-02	Soil		SM 2540G SW-846 6010C-D	
B108	18C1152-03	Soil		SM 2540G SW-846 6010C-D	
B103	18C1152-04	Soil		SM 2540G SW-846 6010C-D	
B110	18C1152-05	Soil		SM 2540G SW-846 6010C-D	
B105	18C1152-06	Soil		SM 2540G SW-846 6010C-D	
B112	18C1152-07	Soil		SM 2540G SW-846 6010C-D	
B111	18C1152-08	Soil		SM 2540G SW-846 6010C-D	
B104	18C1152-09	Soil		SM 2540G SW-846 6010C-D	
B106	18C1152-10	Soil		SM 2540G SW-846 6010C-D	

**CASE NARRATIVE SUMMARY**

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

**SW-846 6010C/D SW-846 6020A/B**

For NC, Metals methods SW-846 6010D and SW-846 6020B are followed, and for all other states methods SW-846 6010C and SW-846 6020A are followed.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Lisa A. Worthington", is written over a light gray rectangular background.

Lisa A. Worthington  
Project Manager

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1152

Date Received: 3/29/2018

Sampled: 3/26/2018 08:00

Field Sample #: B113

Sample ID: 18C1152-01

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	79	0.54	mg/Kg dry	1		SW-846 6010C-D	4/2/18	4/3/18 15:32	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1152

Date Received: 3/29/2018

Sampled: 3/26/2018 08:00

Field Sample #: B113

Sample ID: 18C1152-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.7		% Wt	1		SM 2540G	3/26/18	3/29/18 13:53	MRL



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1152

Date Received: 3/29/2018

Sampled: 3/26/2018 08:20

Field Sample #: B109

Sample ID: 18C1152-02

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	130	0.57	mg/Kg dry	1		SW-846 6010C-D	4/2/18	4/3/18 15:27	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1152

Date Received: 3/29/2018

Sampled: 3/26/2018 08:20

Field Sample #: B109

Sample ID: 18C1152-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.2		% Wt	1		SM 2540G	3/26/18	3/29/18 13:53	MRL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1152

Date Received: 3/29/2018

Sampled: 3/26/2018 08:40

Field Sample #: B108

Sample ID: 18C1152-03

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	130	0.58	mg/Kg dry	1		SW-846 6010C-D	4/2/18	4/3/18 15:37	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1152

Date Received: 3/29/2018

Sampled: 3/26/2018 08:40

Field Sample #: B108

Sample ID: 18C1152-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.2		% Wt	1		SM 2540G	3/26/18	3/29/18 13:53	MRL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1152

Date Received: 3/29/2018

Sampled: 3/26/2018 09:00

Field Sample #: B103

Sample ID: 18C1152-04

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	100	0.57	mg/Kg dry	1		SW-846 6010C-D	4/2/18	4/3/18 15:42	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1152

Date Received: 3/29/2018

Sampled: 3/26/2018 09:00

Field Sample #: B103

Sample ID: 18C1152-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.4		% Wt	1		SM 2540G	3/26/18	3/29/18 13:53	MRL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1152

Date Received: 3/29/2018

Sampled: 3/26/2018 09:20

Field Sample #: B110

Sample ID: 18C1152-05

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	13	0.55	mg/Kg dry	1		SW-846 6010C-D	4/2/18	4/3/18 15:47	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1152

Date Received: 3/29/2018

Sampled: 3/26/2018 09:20

Field Sample #: B110

Sample ID: 18C1152-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.2		% Wt	1		SM 2540G	3/26/18	3/29/18 13:53	MRL



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1152

Date Received: 3/29/2018

Sampled: 3/26/2018 09:40

Field Sample #: B105

Sample ID: 18C1152-06

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	96	0.56	mg/Kg dry	1		SW-846 6010C-D	4/2/18	4/3/18 15:52	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1152

Date Received: 3/29/2018

Sampled: 3/26/2018 09:40

Field Sample #: B105

Sample ID: 18C1152-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.4		% Wt	1		SM 2540G	3/26/18	3/29/18 13:53	MRL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1152

Date Received: 3/29/2018

Sampled: 3/26/2018 10:00

Field Sample #: B112

Sample ID: 18C1152-07

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	6.3	0.54	mg/Kg dry	1		SW-846 6010C-D	4/2/18	4/3/18 15:57	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1152

Date Received: 3/29/2018

Sampled: 3/26/2018 10:00

Field Sample #: B112

Sample ID: 18C1152-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.0		% Wt	1		SM 2540G	3/26/18	3/29/18 13:53	MRL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1152

Date Received: 3/29/2018

Sampled: 3/26/2018 10:20

Field Sample #: B111

Sample ID: 18C1152-08

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	160	0.59	mg/Kg dry	1		SW-846 6010C-D	4/2/18	4/3/18 16:01	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1152

Date Received: 3/29/2018

Sampled: 3/26/2018 10:20

Field Sample #: B111

Sample ID: 18C1152-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.8		% Wt	1		SM 2540G	3/26/18	3/29/18 13:53	MRL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1152

Date Received: 3/29/2018

Sampled: 3/26/2018 10:40

Field Sample #: B104

Sample ID: 18C1152-09

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	110	0.57	mg/Kg dry	1		SW-846 6010C-D	4/2/18	4/3/18 16:05	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1152

Date Received: 3/29/2018

Sampled: 3/26/2018 10:40

Field Sample #: B104

Sample ID: 18C1152-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.3		% Wt	1		SM 2540G	3/26/18	3/29/18 13:53	MRL



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1152

Date Received: 3/29/2018

Sampled: 3/26/2018 11:00

Field Sample #: B106

Sample ID: 18C1152-10

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	3.8	0.54	mg/Kg dry	1		SW-846 6010C-D	4/2/18	4/3/18 16:10	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1152

Date Received: 3/29/2018

Sampled: 3/26/2018 11:00

Field Sample #: B106

Sample ID: 18C1152-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.2		% Wt	1		SM 2540G	3/26/18	3/29/18 13:53	MRL

**Sample Extraction Data**

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18C1152-01 [B113]	B199569	03/26/18
18C1152-02 [B109]	B199569	03/26/18
18C1152-03 [B108]	B199569	03/26/18
18C1152-04 [B103]	B199569	03/26/18
18C1152-05 [B110]	B199569	03/26/18
18C1152-06 [B105]	B199569	03/26/18
18C1152-07 [B112]	B199569	03/26/18
18C1152-08 [B111]	B199569	03/26/18
18C1152-09 [B104]	B199569	03/26/18
18C1152-10 [B106]	B199569	03/26/18

**Prep Method: SW-846 3050B-SW-846 6010C-D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18C1152-01 [B113]	B199988	1.55	50.0	04/02/18
18C1152-02 [B109]	B199988	1.50	50.0	04/02/18
18C1152-03 [B108]	B199988	1.55	50.0	04/02/18
18C1152-04 [B103]	B199988	1.53	50.0	04/02/18
18C1152-05 [B110]	B199988	1.54	50.0	04/02/18
18C1152-06 [B105]	B199988	1.58	50.0	04/02/18
18C1152-07 [B112]	B199988	1.51	50.0	04/02/18
18C1152-08 [B111]	B199988	1.50	50.0	04/02/18
18C1152-09 [B104]	B199988	1.54	50.0	04/02/18
18C1152-10 [B106]	B199988	1.51	50.0	04/02/18

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**QUALITY CONTROL**

**Metals Analyses (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B199988 - SW-846 3050B</b>										
<b>Blank (B199988-BLK1)</b>										
					Prepared: 04/02/18 Analyzed: 04/03/18					
Lead	ND	0.50	mg/Kg wet							
<b>LCS (B199988-BS1)</b>										
					Prepared: 04/02/18 Analyzed: 04/03/18					
Lead	99.0	1.4	mg/Kg wet	92.3		107	82.8-117			
<b>LCS Dup (B199988-BSD1)</b>										
					Prepared: 04/02/18 Analyzed: 04/03/18					
Lead	99.4	1.5	mg/Kg wet	92.3		108	82.8-117	0.333	30	
<b>Duplicate (B199988-DUP1)</b>										
					<b>Source: 18C1152-02</b>					
					Prepared: 04/02/18 Analyzed: 04/03/18					
Lead	141	0.56	mg/Kg dry			125		11.9	35	
<b>MRL Check (B199988-MRL1)</b>										
					Prepared: 04/02/18 Analyzed: 04/03/18					
Lead	0.521	0.50	mg/Kg wet	0.501		104	80-120			
<b>Matrix Spike (B199988-MS1)</b>										
					<b>Source: 18C1152-02</b>					
					Prepared: 04/02/18 Analyzed: 04/03/18					
Lead	145	0.58	mg/Kg dry	19.5		125	101	75-125		

---

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**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level

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

No results have been blank subtracted unless specified in the case narrative section.

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
---------	----------------

*SW-846 6010C-D in Soil*

Lead CT,NH,NY,AIHA,ME,VA,NC

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

Phone: 413-525-2332 Fax: 413-525-6405 Email: info@contestlabs.com  
 1861009 (AP) 1861152  
 39 Spruce Street East Longmeadow, MA 01028

Address: 560 Main St W15  
 Phone: 1-800-SAMPLES  
 Project Location: SOMERVILLE CONWAY PARK  
 Project Number:  
 Project Manager: JOE SPINNETT  
 Con-Test Quote Name/Number:  
 Invoice Recipient: T. SPINNETT  
 Sampled By: 11

Con-Test Work Order #	Client Sample ID	Client Sample Description	Sampled	Time	Analysis Requested	Matrix Codes	Preservation Codes	Container Codes
1	B113		3/26	8:00		GW = Ground Water	1 = Iced	A = Amber Glass
2	B109			8:20		WW = Waste Water	H = HCl	G = Glass
3	B108			8:40		DW = Drinking Water	M = Methanol	P = Plastic
4	B103			9:00		A = Air	N = Nitric Acid	ST = Sterile
5	B10			9:20		S = Soil	S = Sulfuric Acid	V = Vial
6	B105			9:40		SL = Sludge	B = Sodium Bisulfate	S = Summa Canister
7	B112			10:00		SOL = Solid	X = Sodium Hydroxide	T = Tedlar Bag
8	B111			10:20		O = Other (please define)	T = Sodium Thiosulfate	O = Other (please define)
9	B104			10:40				
10	B106			11:00				

ANALYSIS REQUESTED

PCB(SOX/ETH) ✓

MA MCP Required  MA MCP Required   
 MCP Certification Form Required  MCP Certification Form Required   
 CT RCP Required  CT RCP Required   
 RCP Certification Form Required  RCP Certification Form Required   
 RMASID #  RMASID #

Project Entity:  Government  Municipality  MMRA  Other  Chromatogram   
 Federal  21 J  School  ANHA-LAP, LLC  
 City  Brownfield  MBTA

Comments: All 10 will sample for PCB per Joe Spinnett 3/26/18

Relinquished by: (signature) Date/Time: 3/26  
 Received by: (signature) Date/Time: 3/26/18 13:15  
 Relinquished by: (signature) Date/Time: 3/26/18 18:50  
 Received by: (signature) Date/Time: 3-26-18 18:50  
 Relinquished by: (signature) Date/Time:  
 Received by: (signature) Date/Time:

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**con-test**  
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False**

Client WES

Received By ESD Date 3-26-18 Time 16:50

How were the samples received? In Cooler T No Cooler \_\_\_\_\_ On Ice T No Ice \_\_\_\_\_  
 Direct from Sampling \_\_\_\_\_ Ambient \_\_\_\_\_ Melted Ice \_\_\_\_\_

Were samples within Temperature? 2-6°C T By Gun # 537 Actual Temp - 2.1  
 By Blank # \_\_\_\_\_ Actual Temp - \_\_\_\_\_

Was Custody Seal Intact? NA Were Samples Tampered with? NA  
 Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T  
 Did COC include all pertinent information? Client T Analysis ED RT Sampler Name F  
 Project T ID's 3-26-18 Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? \_\_\_\_\_  
 Are there Rushes? T Who was notified? RUS  
 Are there Short Holds? F Who was notified? \_\_\_\_\_

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? F

Do all samples have the proper pH? NA Acid \_\_\_\_\_ Base \_\_\_\_\_

Unp-	1 Liter Amb.	1 Liter Plastic	16 oz Amb.
HCL-	500 mL Amb.	500 mL Plastic	8oz Amb/Clear
Meoh-	250 mL Amb.	250 mL Plastic	4oz Amb/Clear
Bisulfate-	Col./Bacteria	Flashpoint	2oz Amb/Clear
DI-	Other Plastic	Other Glass	Encore
Thiosulfate-	SOC Kit	Plastic Bag	Frozen:
Sulfuric-	Perchlorate	Ziplock	

**Unp- Media**

Unp-	1 Liter Amb.	1 Liter Plastic	16 oz Amb.
HCL-	500 mL Amb.	500 mL Plastic	8oz Amb/Clear
Meoh-	250 mL Amb.	250 mL Plastic	4oz Amb/Clear
Bisulfate-	Col./Bacteria	Flashpoint	2oz Amb/Clear
DI-	Other Plastic	Other Glass	Encore
Thiosulfate-	SOC Kit	Plastic Bag	Frozen:
Sulfuric-	Perchlorate	Ziplock	

**Comments:**



April 5, 2018

Taylor Smith  
Weston & Sampson Engineers MA  
5 Centennial Drive  
Peabody, MA 01960

Project Location: Conway Park., Somerville  
Client Job Number:  
Project Number: [none]  
Laboratory Work Order Number: 18C1153

Enclosed are results of analyses for samples received by the laboratory on March 29, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Meghan E. Kelley". The signature is written in a cursive style with a large, sweeping 'y' at the end.

Meghan E. Kelley  
Project Manager

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39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Weston & Sampson Engineers MA  
 5 Centennial Drive  
 Peabody, MA 01960  
 ATTN: Taylor Smith

REPORT DATE: 4/5/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 18C1153

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Conway Park., Somerville

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B115	18C1153-01	Soil		SM 2540G SW-846 6010C-D	
B116	18C1153-02	Soil		SM 2540G SW-846 6010C-D	
B117	18C1153-03	Soil		SM 2540G SW-846 6010C-D	
B118	18C1153-04	Soil		SM 2540G SW-846 6010C-D	
B121	18C1153-05	Soil		SM 2540G SW-846 6010C-D	
DUP1	18C1153-06	Soil		SM 2540G SW-846 6010C-D	
B125	18C1153-07	Soil		SM 2540G SW-846 6010C-D	
B124	18C1153-08	Soil		SM 2540G SW-846 6010C-D	
B123	18C1153-09	Soil		SM 2540G SW-846 6010C-D	
B122	18C1153-10	Soil		SM 2540G SW-846 6010C-D	

**CASE NARRATIVE SUMMARY**

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

**SW-846 6010C/D SW-846 6020A/B**

For NC, Metals methods SW-846 6010D and SW-846 6020B are followed, and for all other states methods SW-846 6010C and SW-846 6020A are followed.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Lisa A. Worthington", is written over a light gray rectangular background.

Lisa A. Worthington  
Project Manager

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1153

Date Received: 3/29/2018

Sampled: 3/26/2018 11:20

Field Sample #: B115

Sample ID: 18C1153-01

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	160	0.62	mg/Kg dry	1		SW-846 6010C-D	4/2/18	4/3/18 18:58	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1153

Date Received: 3/29/2018

Sampled: 3/26/2018 11:20

Field Sample #: B115

Sample ID: 18C1153-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.5		% Wt	1		SM 2540G	3/26/18	3/29/18 13:53	MRL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1153

Date Received: 3/29/2018

Sampled: 3/26/2018 11:40

Field Sample #: B116

Sample ID: 18C1153-02

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	15	0.55	mg/Kg dry	1		SW-846 6010C-D	4/2/18	4/3/18 19:02	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1153

Date Received: 3/29/2018

Sampled: 3/26/2018 11:40

Field Sample #: B116

Sample ID: 18C1153-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.4		% Wt	1		SM 2540G	3/26/18	3/29/18 13:53	MRL



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1153

Date Received: 3/29/2018

Sampled: 3/26/2018 12:00

Field Sample #: B117

Sample ID: 18C1153-03

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	120	0.59	mg/Kg dry	1		SW-846 6010C-D	4/2/18	4/3/18 19:07	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1153

Date Received: 3/29/2018

Sampled: 3/26/2018 12:00

Field Sample #: B117

Sample ID: 18C1153-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.0		% Wt	1		SM 2540G	3/26/18	3/29/18 13:53	MRL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1153

Date Received: 3/29/2018

Sampled: 3/26/2018 12:20

Field Sample #: B118

Sample ID: 18C1153-04

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	160	0.55	mg/Kg dry	1		SW-846 6010C-D	4/2/18	4/3/18 19:12	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1153

Date Received: 3/29/2018

Sampled: 3/26/2018 12:20

Field Sample #: B118

Sample ID: 18C1153-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.8		% Wt	1		SM 2540G	3/26/18	3/29/18 13:53	MRL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1153

Date Received: 3/29/2018

Sampled: 3/26/2018 12:40

Field Sample #: B121

Sample ID: 18C1153-05

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	72	0.56	mg/Kg dry	1		SW-846 6010C-D	4/2/18	4/3/18 19:17	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1153

Date Received: 3/29/2018

Sampled: 3/26/2018 12:40

Field Sample #: B121

Sample ID: 18C1153-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.3		% Wt	1		SM 2540G	3/26/18	3/29/18 13:53	MRL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1153

Date Received: 3/29/2018

Sampled: 3/26/2018 00:00

Field Sample #: DUP1

Sample ID: 18C1153-06

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	68	0.55	mg/Kg dry	1		SW-846 6010C-D	4/2/18	4/3/18 21:17	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1153

Date Received: 3/29/2018

Sampled: 3/26/2018 00:00

Field Sample #: DUP1

Sample ID: 18C1153-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.0		% Wt	1		SM 2540G	3/26/18	3/29/18 13:53	MRL



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1153

Date Received: 3/29/2018

Sampled: 3/26/2018 13:20

Field Sample #: B125

Sample ID: 18C1153-07

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	69	0.56	mg/Kg dry	1		SW-846 6010C-D	4/2/18	4/3/18 21:21	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1153

Date Received: 3/29/2018

Sampled: 3/26/2018 13:20

Field Sample #: B125

Sample ID: 18C1153-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.0		% Wt	1		SM 2540G	3/26/18	3/29/18 13:53	MRL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1153

Date Received: 3/29/2018

Sampled: 3/26/2018 13:40

Field Sample #: B124

Sample ID: 18C1153-08

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	74	0.53	mg/Kg dry	1		SW-846 6010C-D	4/2/18	4/3/18 21:27	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1153

Date Received: 3/29/2018

Sampled: 3/26/2018 13:40

Field Sample #: B124

Sample ID: 18C1153-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.9		% Wt	1		SM 2540G	3/26/18	3/29/18 13:53	MRL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1153

Date Received: 3/29/2018

Sampled: 3/26/2018 14:00

Field Sample #: B123

Sample ID: 18C1153-09

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	98	0.57	mg/Kg dry	1		SW-846 6010C-D	4/2/18	4/3/18 21:32	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1153

Date Received: 3/29/2018

Sampled: 3/26/2018 14:00

Field Sample #: B123

Sample ID: 18C1153-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.8		% Wt	1		SM 2540G	3/26/18	3/29/18 13:53	MRL

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1153

Date Received: 3/29/2018

Sampled: 3/26/2018 14:20

Field Sample #: B122

Sample ID: 18C1153-10

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	60	0.54	mg/Kg dry	1		SW-846 6010C-D	4/2/18	4/3/18 21:37	QNW

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Conway Park., Somerville

Sample Description:

Work Order: 18C1153

Date Received: 3/29/2018

Sampled: 3/26/2018 14:20

Field Sample #: B122

Sample ID: 18C1153-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.1		% Wt	1		SM 2540G	3/26/18	3/29/18 13:53	MRL



**Sample Extraction Data**

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
18C1153-01 [B115]	B199569	03/26/18
18C1153-02 [B116]	B199569	03/26/18
18C1153-03 [B117]	B199569	03/26/18
18C1153-04 [B118]	B199569	03/26/18
18C1153-05 [B121]	B199569	03/26/18
18C1153-06 [DUP1]	B199569	03/26/18
18C1153-07 [B125]	B199569	03/26/18
18C1153-08 [B124]	B199569	03/26/18
18C1153-09 [B123]	B199569	03/26/18
18C1153-10 [B122]	B199569	03/26/18

**Prep Method: SW-846 3050B-SW-846 6010C-D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18C1153-01 [B115]	B199988	1.49	50.0	04/02/18
18C1153-02 [B116]	B199988	1.54	50.0	04/02/18
18C1153-03 [B117]	B199988	1.47	50.0	04/02/18
18C1153-04 [B118]	B199988	1.57	50.0	04/02/18
18C1153-05 [B121]	B199988	1.50	50.0	04/02/18
18C1153-06 [DUP1]	B199988	1.47	50.0	04/02/18
18C1153-07 [B125]	B199988	1.57	50.0	04/02/18
18C1153-08 [B124]	B199988	1.52	50.0	04/02/18
18C1153-09 [B123]	B199988	1.54	50.0	04/02/18
18C1153-10 [B122]	B199988	1.51	50.0	04/02/18

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**QUALITY CONTROL**

**Metals Analyses (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B199988 - SW-846 3050B</b>										
<b>Blank (B199988-BLK1)</b>										
					Prepared: 04/02/18 Analyzed: 04/03/18					
Lead	ND	0.50	mg/Kg wet							
<b>LCS (B199988-BS1)</b>										
					Prepared: 04/02/18 Analyzed: 04/03/18					
Lead	99.0	1.4	mg/Kg wet	92.3		107	82.8-117			
<b>LCS Dup (B199988-BSD1)</b>										
					Prepared: 04/02/18 Analyzed: 04/03/18					
Lead	99.4	1.5	mg/Kg wet	92.3		108	82.8-117	0.333	30	
<b>MRL Check (B199988-MRL1)</b>										
					Prepared: 04/02/18 Analyzed: 04/03/18					
Lead	0.521	0.50	mg/Kg wet	0.501		104	80-120			

---

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level

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

No results have been blank subtracted unless specified in the case narrative section.

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
---------	----------------

*SW-846 6010C-D in Soil*

Lead CT,NH,NY,AIHA,ME,VA,NC

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

Doc # 381 Rev 1\_03242017  
 39 Spruce Street  
 East Longmeadow, MA 01028  
 Phone: 413-525-2332  
 Fax: 413-525-6405  
 Email: info@contestlabs.com  
 Website: www.contestlabs.com

Address: 5 CONYNGA DR  
 Phone: 1-800-SAMPSON  
 Project Location: Spencerville  
 Project Number:  
 Project Manager: JOE SPENCER  
 Con-Test Quote Name/Number:  
 Invoice Recipient: Taylor Smith  
 Sampled By: 11

7-Day  10-Day   
 Due Date: 3/28 if possible  
 1-Day  3-Day   
 2-Day  4-Day   
 Format: PDF  EXCEL   
 Other:   
 CLP Like Data Pkg Required:   
 Email To:  
 Fax To #:

Con-Test Work Order #	Client Sample ID	Sample Date	Sample Time	Analysis Requested	Matrix Codes	Preservation Codes	Container Codes
1	B115	3/26	11:20	V S V	GW = Ground Water WW = Waste Water DW = Drinking Water A = Air S = Soil SL = Sludge SOL = Solid O = Other (please define)	I = Iced H = HCl M = Methanol N = Nitric Acid S = Sulfuric Acid B = Sodium Bisulfate X = Sodium hydroxide T = Sodium Thiosulfate O = Other (please define)	1 2 3 4 5 6 7 8 9 10
2	B116		11:11				
3	B117		12:00				
4	B118		12:00				
5	B121		12:00				
6	DUP1						
7	B125		12:00				
8	B124		12:00				
9	B123		12:00				
10	B122		12:00				

Comments: **Private samples for Pb - Mail 3/29/2018**

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Special Requirements: MA MCP Required  MA MCP Form Required   
 CT MCP Required  CT MCP Form Required   
 MA State DW Required  PWSID ?

Project Entity:  Government  Municipality  MWRA  WRTA  Other   
 Federal  21 J  School  AHA-LAP, LLC  
 City  Brownfield  MTA

PCB ONLY:  Soxhlet  Non Soxhlet





Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False**

Client WES  
 Received By ESD Date 3-26-18 Time 16:50  
 How were the samples received? In Cooler T No Cooler \_\_\_\_\_ On Ice T No Ice \_\_\_\_\_  
 Direct from Sampling \_\_\_\_\_ Ambient \_\_\_\_\_ Melted Ice \_\_\_\_\_  
 Were samples within Temperature? 2-6°C T By Gun # 558 Actual Temp - 2.1  
 By Blank # \_\_\_\_\_ Actual Temp - \_\_\_\_\_  
 Was Custody Seal Intact? NA Were Samples Tampered with? NA  
 Was COC Relinquished? T Does Chain Agree With Samples? T  
 Are there broken/leaking/loose caps on any samples? F  
 Is COC in ink/ Legible? T Were samples received within holding time? T  
 Did COC include all pertinent Information? Client T Analysis F Sampler Name F  
 Project T ID's T Collection Dates/Times T  
 Are Sample labels filled out and legible? T  
 Are there Lab to Filters? F Who was notified? \_\_\_\_\_  
 Are there Rushes? T Who was notified? RUS  
 Are there Short Holds? F Who was notified? \_\_\_\_\_  
 Is there enough Volume? T  
 Is there Headspace where applicable? F MS/MSD? F  
 Proper Media/Containers Used? T Is splitting samples required? F  
 Were trip blanks received? F On COC? F  
 Do all samples have the proper pH? NA Acid \_\_\_\_\_ Base \_\_\_\_\_

Vials	#	Containers	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

**Unused Media**

Vials	#	Containers	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Comments:



*CERTIFICATE OF ANALYSIS*

Joe Spencer  
Weston & Sampson Engineers, Inc.  
5 Centennial Drive  
Peabody, MA 01960

**RE: Conway Park (2170709)**  
**ESS Laboratory Work Order Number: 1711066**

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard  
Laboratory Director

**REVIEWED**  
*By ESS Laboratory at 5:35 pm, Nov 10, 2017*

**Analytical Summary**

The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711066

**SAMPLE RECEIPT**

The following samples were received on November 02, 2017 for the analyses specified on the enclosed Chain of Custody Record.

To achieve CAM compliance for MCP data, ESS Laboratory has reviewed all QA/QC Requirements and Performance Standards listed in each method. Holding times and preservation have also been reviewed. All CAM requirements have been performed and achieved unless noted in the project narrative.

Each method has been set-up in the laboratory to reach required MCP standards. The methods for aqueous VOA and Soil Methanol VOA have known limitations for certain analytes. The regulatory standards may not be achieved due to these limitations. In addition, for all methods, matrix interferences, dilutions, and %Solids may elevate method reporting limits above regulatory standards. ESS Laboratory can provide, upon request, a Limit Checker (regulatory standard comparison spreadsheet) electronic deliverable which will highlight these exceedances.

**Low Level VOA vials were frozen by ESS Laboratory on November 2, 2017 at 22:50.**

**Sample 1711066-12 was received in a clear glass jar. Flashpoint was analyzed from an open sample container. No additional containers received.**

Lab Number	Sample Name	Matrix	Analysis
1711066-01	P-7 6-8	Soil	6010C, 6020A, 7471B, 8260B Low, EPH8270, MADEP-EPH, MADEP-VPH
1711066-02	P-3 8-10	Soil	6010C, 6020A, 7471B, 8260B Low, EPH8270, MADEP-EPH, MADEP-VPH
1711066-03	P-3 0-2	Soil	6010C, 6020A, 7471B, 8260B Low, EPH8270, MADEP-EPH, MADEP-VPH
1711066-04	P-8 0-2	Soil	6010C, 6020A, 7471B, 8260B Low, EPH8270, MADEP-EPH, MADEP-VPH
1711066-05	P-5 0-2	Soil	6010C, 6020A, 7471B, 8260B Low, EPH8270, MADEP-EPH, MADEP-VPH
1711066-06	P-4 5-7	Soil	6010C, 6020A, 7471B, 8260B Low, EPH8270, MADEP-EPH, MADEP-VPH
1711066-07	P-4 0-2	Soil	6010C, 6020A, 7471B, 8260B Low, EPH8270, MADEP-EPH, MADEP-VPH
1711066-08	DUP	Soil	6010C, 6020A, 7471B, 8260B Low, EPH8270, MADEP-EPH, MADEP-VPH
1711066-09	WSE-1 3-6	Soil	6010C, 6020A, 7471B, 8260B Low, EPH8270, MADEP-EPH, MADEP-VPH





*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

1711066-10	WSE-2 0-3	Soil	ESS Laboratory Work Order: 1711066 6010C, 6020A, 7471B, 8260B Low, EPH8270, MADEP-EPH, MADEP-VPH
1711066-11	WSE-3 6-8	Soil	6010C, 6020A, 7471B, 8260B Low, EPH8270, MADEP-EPH, MADEP-VPH
1711066-12	Disposal Characterization	Soil	1010, 6010C, 6020A, 7.3.3.2, 7.3.4.1, 7471B, 8082A, 8100M, 8270D, 9045, 9050A
1711066-13	WSE-8 11-13	Soil	EPH8270, MADEP-EPH, MADEP-VPH



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711066

**PROJECT NARRATIVE**

**5035/8260B Volatile Organic Compounds / Low Level**

- C7K0077-CCV1 Continuing Calibration %Diff/Drift is below control limit (CD-).  
1,4-Dioxane (21% @ 20%), 4-Methyl-2-Pentanone (23% @ 20%), Naphthalene (27% @ 20%),  
Tertiary-amyl methyl ether (24% @ 20%), Tetrahydrofuran (30% @ 20%)
- CK70401-BS1 Blank Spike recovery is below lower control limit (B-).  
1,4-Dioxane (62% @ 70-130%)
- CK70401-BSD1 Blank Spike recovery is below lower control limit (B-).  
1,4-Dioxane (58% @ 70-130%)

**8270D Semi-Volatile Organic Compounds**

- C7K0074-CCV1 Calibration required quadratic regression (Q).  
2,4-Dinitrophenol (77% @ 80-120%)
- C7K0074-CCV1 Continuing Calibration %Diff/Drift is above control limit (CD+).  
2-Fluorophenol (31% @ 20%), Benzo(b)fluoranthene (20% @ 20%), bis(2-Ethylhexyl)phthalate (35% @  
20%), Di-n-octylphthalate (46% @ 20%)
- C7K0074-CCV1 Continuing Calibration %Diff/Drift is below control limit (CD-).  
2,4-Dinitrophenol (23% @ 20%)
- C7K0104-CCV1 Calibration required quadratic regression (Q).  
2,4-Dinitrophenol (79% @ 80-120%)
- C7K0104-CCV1 Continuing Calibration %Diff/Drift is below control limit (CD-).  
2,4-Dinitrophenol (21% @ 20%)
- CK70615-BLK1 Surrogate recovery(ies) above upper control limit (S+).  
p-Terphenyl-d14 (132% @ 30-130%)
- CK70615-BSD1 Relative percent difference for duplicate is outside of criteria (D+).  
2,4,5-Trichlorophenol (36% @ 30%), 2,4,6-Trichlorophenol (35% @ 30%), 2-Chloronaphthalene (38% @  
30%), Azobenzene (50% @ 30%)
- CK70615-BSD1 Surrogate recovery(ies) above upper control limit (S+).  
2-Fluorophenol (135% @ 30-130%)

**Classical Chemistry**

- 1711066-12 Test performed from a previously opened container  
Flashpoint

**MADEP-EPH Extractable Petroleum Hydrocarbons**

- C7K0056-CCV4 Continuing Calibration %Diff/Drift is below control limit (CD-).  
Benzo(g,h,i)perylene (31% @ 20%)
- C7K0082-CCV2 Continuing Calibration %Diff/Drift is below control limit (CD-).  
Benzo(g,h,i)perylene (40% @ 20%), Dibenzo(a,h)Anthracene (30% @ 20%), Indeno(1,2,3-cd)Pyrene  
(29% @ 20%)
- C7K0136-CCV2 Continuing Calibration %Diff/Drift is below control limit (CD-).  
Benzo(g,h,i)perylene (38% @ 20%), Dibenzo(a,h)Anthracene (27% @ 20%), Indeno(1,2,3-cd)Pyrene  
(29% @ 20%)



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.

Client Project ID: Conway Park

ESS Laboratory Work Order: 1711066

C7K0156-CCV4 **Continuing Calibration %Diff/Drift is above control limit (CD+).**

Naphthalene (26% @ 20%)

C7K0156-CCV4 **Continuing Calibration %Diff/Drift is below control limit (CD-).**

Benzo(a)pyrene (22% @ 20%), Benzo(g,h,i)perylene (24% @ 20%), Dibenzo(a,h)Anthracene (24% @ 20%), Indeno(1,2,3-cd)Pyrene (22% @ 20%)

**No other observations noted.**

**End of Project Narrative.**

**DATA USABILITY LINKS**

*To ensure you are viewing the most current version of the documents below, please clear your internet cookies for [www.ESSLaboratory.com](http://www.ESSLaboratory.com). Consult your IT Support personnel for information on how to clear your internet cookies.*

[Definitions of Quality Control Parameters](#)

[Semivolatile Organics Internal Standard Information](#)

[Semivolatile Organics Surrogate Information](#)

[Volatile Organics Internal Standard Information](#)

[Volatile Organics Surrogate Information](#)

[EPH and VPH Alkane Lists](#)



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711066

**CURRENT SW-846 METHODOLOGY VERSIONS**

**Analytical Methods**

- 1010A - Flashpoint
- 6010C - ICP
- 6020A - ICP MS
- 7010 - Graphite Furnace
- 7196A - Hexavalent Chromium
- 7470A - Aqueous Mercury
- 7471B - Solid Mercury
- 8011 - EDB/DBCP/TCP
- 8015C - GRO/DRO
- 8081B - Pesticides
- 8082A - PCB
- 8100M - TPH
- 8151A - Herbicides
- 8260B - VOA
- 8270D - SVOA
- 8270D SIM - SVOA Low Level
- 9014 - Cyanide
- 9038 - Sulfate
- 9040C - Aqueous pH
- 9045D - Solid pH (Corrosivity)
- 9050A - Specific Conductance
- 9056A - Anions (IC)
- 9060A - TOC
- 9095B - Paint Filter
- MADEP 04-1.1 - EPH / VPH

**Prep Methods**

- 3005A - Aqueous ICP Digestion
- 3020A - Aqueous Graphite Furnace / ICP MS Digestion
- 3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
- 3060A - Solid Hexavalent Chromium Digestion
- 3510C - Separatory Funnel Extraction
- 3520C - Liquid / Liquid Extraction
- 3540C - Manual Soxhlet Extraction
- 3541 - Automated Soxhlet Extraction
- 3546 - Microwave Extraction
- 3580A - Waste Dilution
- 5030B - Aqueous Purge and Trap
- 5030C - Aqueous Purge and Trap
- 5035 - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711066

**MassDEP Analytical Protocol Certification Form**

MADEP RTN: \_\_\_\_\_

This form provides certification for the following data set: **1711066-01 through 1711066-13**

Matrices: ( ) Ground Water/Surface Water    (X) Soil/Sediment    ( ) Drinking Water    ( ) Air    ( ) Other: \_\_\_\_\_

**CAM Protocol** (check all that apply below):

- |                              |                               |   |                                |   |                                    |
|------------------------------|-------------------------------|---|--------------------------------|---|------------------------------------|
| (X) 8260 VOC<br>CAM II A     | (X) 7470/7471 Hg<br>CAM III B | (X) MassDEP VPH<br>(GC/PID/FID)<br>CAM IV A | (X) 8082 PCB<br>CAM V A        | ( ) 9014 Total<br>Cyanide/PAC<br>CAM VI A | ( ) 6860 Perchlorate<br>CAM VIII B |
| (X) 8270 SVOC<br>CAM II B    | ( ) 7010 Metals<br>CAM III C  | ( ) MassDEP VPH<br>(GC/MS)<br>CAM IV B      | ( ) 8081 Pesticides<br>CAM V C | ( ) 7196 Hex Cr<br>CAM VI B               | ( ) MassDEP APH<br>CAM IX A        |
| (X) 6010 Metals<br>CAM III A | (X) 6020 Metals<br>CAM III D  | (X) MassDEP EPH<br>CAM IV B                 | ( ) 8151 Herbicides<br>CAM V C | ( ) Explosives<br>CAM VIII A              | ( ) TO-15 VOC<br>CAM IX B          |

***Affirmative responses to questions A through F are required for "Presumptive Certainty" status***

- A Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times? Yes (X) No ( )
- B Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed? Yes (X) No ( )
- C Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances? Yes (X) No ( )
- D Does the laboratory report comply with all the reporting requirements specified in the CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"? Yes (X) No ( )
- E VPH, EPH, APH and TO-15 only: a. Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). Yes ( ) No ( )  
b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?
- F Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)? Yes (X) No ( )

***Responses to Questions G, H and I below are required for "Presumptive Certainty" status***

- G Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocols(s)? Yes (X) No ( )\*
- Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.***
- H Were all QC performance standards specified in the CAM protocol(s) achieved? Yes ( ) No (X)\*
- I Were results reported for the complete analyte list specified in the selected CAM protocol(s)? Yes (X) No ( )\*

***\*All negative responses must be addressed in an attached laboratory narrative.***

***I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.***

Signature: Laurel Stoddard  
Printed Name: Laurel Stoddard

Date: November 10, 2017  
Position: Laboratory Director



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-7 6-8  
Date Sampled: 11/01/17 11:45  
Percent Solids: 68

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-01  
Sample Matrix: Soil  
Units: mg/kg dry

Extraction Method: 3050B

**Total Metals**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Antimony	8.93 (0.62)		6020A		20	NAR	11/07/17 16:57	2.39	100	CK70328
Arsenic	8.35 (3.08)		6010C		1	BJV	11/06/17 16:56	2.39	100	CK70328
Barium	83.3 (3.08)		6010C		1	BJV	11/06/17 16:56	2.39	100	CK70328
Beryllium	0.38 (0.14)		6010C		1	BJV	11/06/17 16:56	2.39	100	CK70328
Cadmium	ND (0.62)		6010C		1	BJV	11/06/17 16:56	2.39	100	CK70328
Chromium	364 (1.23)		6010C		1	BJV	11/06/17 16:56	2.39	100	CK70328
Lead	115 (6.16)		6010C		1	BJV	11/06/17 16:56	2.39	100	CK70328
Mercury	ND (0.034)		7471B		1	MJV	11/06/17 14:03	0.85	40	CK70348
Nickel	5.45 (3.08)		6010C		1	BJV	11/06/17 16:56	2.39	100	CK70328
Selenium	0.88 (0.62)		6020A		20	NAR	11/07/17 16:57	2.39	100	CK70328
Silver	ND (0.62)		6010C		1	BJV	11/06/17 16:56	2.39	100	CK70328
Thallium	ND (0.62)		6020A		20	NAR	11/07/17 16:57	2.39	100	CK70328
Vanadium	8.22 (1.23)		6010C		1	BJV	11/06/17 16:56	2.39	100	CK70328
Zinc	69.6 (3.08)		6010C		1	BJV	11/06/17 16:56	2.39	100	CK70328



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-7 6-8  
Date Sampled: 11/01/17 11:45  
Percent Solids: 68  
Initial Volume: 6.8  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-01  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1,1,2-Tetrachloroethane	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
1,1,1-Trichloroethane	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
1,1,2,2-Tetrachloroethane	ND (0.0022)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
1,1,2-Trichloroethane	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
1,1-Dichloroethane	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
1,1-Dichloroethene	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
1,1-Dichloropropene	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
1,2,3-Trichlorobenzene	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
1,2,3-Trichloropropane	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
1,2,4-Trichlorobenzene	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
1,2,4-Trimethylbenzene	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
1,2-Dibromo-3-Chloropropane	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
1,2-Dibromoethane	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
1,2-Dichlorobenzene	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
1,2-Dichloroethane	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
1,2-Dichloropropane	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
1,3,5-Trimethylbenzene	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
1,3-Dichlorobenzene	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
1,3-Dichloropropane	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
1,4-Dichlorobenzene	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
1,4-Dioxane	ND (0.108)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
2,2-Dichloropropane	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
2-Butanone	ND (0.0108)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
2-Chlorotoluene	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
2-Hexanone	ND (0.0108)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
4-Chlorotoluene	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
4-Isopropyltoluene	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
4-Methyl-2-Pentanone	ND (0.0108)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
Acetone	ND (0.0108)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
Benzene	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
Bromobenzene	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
Bromochloromethane	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401





*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-7 6-8  
Date Sampled: 11/01/17 11:45  
Percent Solids: 68  
Initial Volume: 6.8  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-01  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Bromodichloromethane	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
Bromoform	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
Bromomethane	ND (0.0108)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
Carbon Disulfide	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
Carbon Tetrachloride	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
Chlorobenzene	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
Chloroethane	ND (0.0108)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
Chloroform	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
Chloromethane	ND (0.0108)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
cis-1,2-Dichloroethene	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
cis-1,3-Dichloropropene	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
Dibromochloromethane	ND (0.0022)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
Dibromomethane	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
Dichlorodifluoromethane	ND (0.0108)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
Diethyl Ether	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
Di-isopropyl ether	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
Ethyl tertiary-butyl ether	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
Ethylbenzene	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
Hexachlorobutadiene	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
Isopropylbenzene	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
Methyl tert-Butyl Ether	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
Methylene Chloride	ND (0.0108)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
Naphthalene	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
n-Butylbenzene	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
n-Propylbenzene	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
sec-Butylbenzene	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
Styrene	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
tert-Butylbenzene	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
Tertiary-amyl methyl ether	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
Tetrachloroethene	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
Tetrahydrofuran	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
Toluene	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401





*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-7 6-8  
Date Sampled: 11/01/17 11:45  
Percent Solids: 68  
Initial Volume: 6.8  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-01  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
trans-1,2-Dichloroethene	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
trans-1,3-Dichloropropene	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
Trichloroethene	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
Trichlorofluoromethane	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
Vinyl Chloride	ND (0.0108)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
Xylene O	ND (0.0054)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
Xylene P,M	ND (0.0108)		8260B Low		1	11/04/17 21:22	C7K0077	CK70401
Xylenes (Total)	ND (0.0108)		8260B Low		1	11/04/17 21:22		[CALC]

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>123 %</i>		<i>70-130</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>87 %</i>		<i>70-130</i>
<i>Surrogate: Dibromofluoromethane</i>	<i>105 %</i>		<i>70-130</i>
<i>Surrogate: Toluene-d8</i>	<i>104 %</i>		<i>70-130</i>



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-7 6-8  
Date Sampled: 11/01/17 11:45  
Percent Solids: 68  
Initial Volume: 24.2  
Final Volume: 1  
Extraction Method: 3546

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-01  
Sample Matrix: Soil  
Units: mg/kg dry

Prepared: 11/3/17 10:55

**MADEP-EPH Extractable Petroleum Hydrocarbons**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
C9-C18 Aliphatics1	ND (22.8)		MADEP-EPH		1	ZLC	11/07/17 13:00	C7K0079	CK70307
C19-C36 Aliphatics1	ND (22.8)		MADEP-EPH		1	ZLC	11/07/17 13:00	C7K0079	CK70307
C11-C22 Unadjusted Aromatics1	ND (22.8)		EPH8270		1	ZLC	11/08/17 19:24	C7K0136	CK70307
C11-C22 Aromatics1,2	ND (22.8)		EPH8270			ZLC	11/08/17 19:24		[CALC]
2-Methylnaphthalene	ND (0.30)		EPH8270		1	ZLC	11/08/17 19:24	C7K0136	CK70307
Acenaphthene	ND (0.61)		EPH8270		1	ZLC	11/08/17 19:24	C7K0136	CK70307
Naphthalene	ND (0.61)		EPH8270		1	ZLC	11/08/17 19:24	C7K0136	CK70307
Phenanthrene	ND (0.61)		EPH8270		1	ZLC	11/08/17 19:24	C7K0136	CK70307
Acenaphthylene	ND (0.30)		EPH8270		1	ZLC	11/08/17 19:24	C7K0136	CK70307
Anthracene	ND (0.61)		EPH8270		1	ZLC	11/08/17 19:24	C7K0136	CK70307
Benzo(a)anthracene	ND (0.61)		EPH8270		1	ZLC	11/08/17 19:24	C7K0136	CK70307
Benzo(a)pyrene	ND (0.61)		EPH8270		1	ZLC	11/08/17 19:24	C7K0136	CK70307
Benzo(b)fluoranthene	ND (0.61)		EPH8270		1	ZLC	11/08/17 19:24	C7K0136	CK70307
Benzo(g,h,i)perylene	ND (0.61)		EPH8270		1	ZLC	11/08/17 19:24	C7K0136	CK70307
Benzo(k)fluoranthene	ND (0.61)		EPH8270		1	ZLC	11/08/17 19:24	C7K0136	CK70307
Chrysene	ND (0.61)		EPH8270		1	ZLC	11/08/17 19:24	C7K0136	CK70307
Dibenzo(a,h)Anthracene	ND (0.30)		EPH8270		1	ZLC	11/08/17 19:24	C7K0136	CK70307
Fluoranthene	ND (0.61)		EPH8270		1	ZLC	11/08/17 19:24	C7K0136	CK70307
Fluorene	ND (0.61)		EPH8270		1	ZLC	11/08/17 19:24	C7K0136	CK70307
Indeno(1,2,3-cd)Pyrene	ND (0.61)		EPH8270		1	ZLC	11/08/17 19:24	C7K0136	CK70307
Pyrene	ND (0.61)		EPH8270		1	ZLC	11/08/17 19:24	C7K0136	CK70307

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1-Chlorooctadecane</i>	81 %		40-140
<i>Surrogate: 2-Bromonaphthalene</i>	93 %		40-140
<i>Surrogate: 2-Fluorobiphenyl</i>	104 %		40-140
<i>Surrogate: O-Terphenyl</i>	77 %		40-140



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
 Client Project ID: Conway Park  
 Client Sample ID: P-7 6-8  
 Date Sampled: 11/01/17 11:45  
 Percent Solids: 68  
 Initial Volume: 15.5  
 Final Volume: 15  
 Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
 ESS Laboratory Sample ID: 1711066-01  
 Sample Matrix: Soil  
 Units: mg/kg dry  
 Analyst: MEK

**MADEP-VPH Volatile Petroleum Hydrocarbon**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
C9-C10 Aromatics	ND (19.0)		MADEP-VPH		1	11/03/17 15:02	C7K0051	CK70319
C5-C8 Aliphatics 1,2	ND (19.0)		MADEP-VPH		1	11/03/17 15:02		[CALC]
C9-C12 Aliphatics 2,3	ND (19.0)		MADEP-VPH		1	11/03/17 15:02		[CALC]
Benzene	ND (0.38)		MADEP-VPH		1	11/03/17 15:02	C7K0051	CK70319
Ethylbenzene	ND (0.38)		MADEP-VPH		1	11/03/17 15:02	C7K0051	CK70319
Methyl tert-Butyl Ether	ND (0.09)		MADEP-VPH		1	11/03/17 15:02	C7K0051	CK70319
Naphthalene	ND (0.38)		MADEP-VPH		1	11/03/17 15:02	C7K0051	CK70319
Toluene	ND (0.38)		MADEP-VPH		1	11/03/17 15:02	C7K0051	CK70319
Xylene O	ND (0.38)		MADEP-VPH		1	11/03/17 15:02	C7K0051	CK70319
Xylene P,M	ND (0.76)		MADEP-VPH		1	11/03/17 15:02	C7K0051	CK70319
<b>1:1 Methanol/Soil Ratio %D</b>	<b>3 (N/A)</b>		MADEP-VPH			11/03/17 7:40		CK70319
<b>Preservative:</b>	<b>MeOH - covered</b>		MADEP-VPH					CK70319

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 2,5-Dibromotoluene - FID</i>	<i>104 %</i>		<i>70-130</i>
<i>Surrogate: 2,5-Dibromotoluene - PID</i>	<i>101 %</i>		<i>70-130</i>
<i>Surrogate: Trifluorotoluene - FID</i>	<i>126 %</i>		<i>70-130</i>
<i>Surrogate: Trifluorotoluene - PID</i>	<i>126 %</i>		<i>70-130</i>



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-3 8-10  
Date Sampled: 11/01/17 14:00  
Percent Solids: 70

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-02  
Sample Matrix: Soil  
Units: mg/kg dry

Extraction Method: 3050B

**Total Metals**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Antimony	3.97 (0.68)		6020A		20	NAR	11/07/17 17:30	2.09	100	CK70328
Arsenic	11.9 (3.42)		6010C		1	BJV	11/06/17 17:29	2.09	100	CK70328
Barium	195 (3.42)		6010C		1	BJV	11/06/17 17:29	2.09	100	CK70328
Beryllium	0.24 (0.15)		6010C		1	BJV	11/06/17 17:29	2.09	100	CK70328
Cadmium	2.62 (0.68)		6010C		1	BJV	11/06/17 17:29	2.09	100	CK70328
Chromium	23.4 (1.37)		6010C		1	BJV	11/06/17 17:29	2.09	100	CK70328
Lead	950 (6.84)		6010C		1	BJV	11/06/17 17:29	2.09	100	CK70328
Mercury	0.537 (0.041)		7471B		1	MJV	11/06/17 14:05	0.69	40	CK70348
Nickel	14.5 (3.42)		6010C		1	BJV	11/06/17 17:29	2.09	100	CK70328
Selenium	1.32 (0.68)		6020A		20	NAR	11/07/17 17:30	2.09	100	CK70328
Silver	ND (0.68)		6010C		1	KJK	11/08/17 12:26	2.09	100	CK70328
Thallium	ND (0.68)		6020A		20	NAR	11/07/17 17:30	2.09	100	CK70328
Vanadium	15.6 (1.37)		6010C		1	BJV	11/06/17 17:29	2.09	100	CK70328
Zinc	454 (3.42)		6010C		1	BJV	11/06/17 17:29	2.09	100	CK70328



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-3 8-10  
Date Sampled: 11/01/17 14:00  
Percent Solids: 70  
Initial Volume: 8.2  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-02  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1,1,2-Tetrachloroethane	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
1,1,1-Trichloroethane	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
1,1,2,2-Tetrachloroethane	ND (0.0017)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
1,1,2-Trichloroethane	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
1,1-Dichloroethane	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
1,1-Dichloroethene	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
1,1-Dichloropropene	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
1,2,3-Trichlorobenzene	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
1,2,3-Trichloropropane	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
1,2,4-Trichlorobenzene	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
1,2,4-Trimethylbenzene	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
1,2-Dibromo-3-Chloropropane	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
1,2-Dibromoethane	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
1,2-Dichlorobenzene	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
1,2-Dichloroethane	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
1,2-Dichloropropane	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
1,3,5-Trimethylbenzene	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
1,3-Dichlorobenzene	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
1,3-Dichloropropane	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
1,4-Dichlorobenzene	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
1,4-Dioxane	ND (0.0872)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
2,2-Dichloropropane	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
<b>2-Butanone</b>	<b>0.0145</b> (0.0087)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
2-Chlorotoluene	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
2-Hexanone	ND (0.0087)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
4-Chlorotoluene	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
4-Isopropyltoluene	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
4-Methyl-2-Pentanone	ND (0.0087)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
<b>Acetone</b>	<b>0.142</b> (0.0087)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
Benzene	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
Bromobenzene	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
Bromochloromethane	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-3 8-10  
Date Sampled: 11/01/17 14:00  
Percent Solids: 70  
Initial Volume: 8.2  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-02  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Bromodichloromethane	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
Bromoform	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
Bromomethane	ND (0.0087)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
Carbon Disulfide	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
Carbon Tetrachloride	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
Chlorobenzene	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
Chloroethane	ND (0.0087)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
Chloroform	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
Chloromethane	ND (0.0087)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
cis-1,2-Dichloroethene	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
cis-1,3-Dichloropropene	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
Dibromochloromethane	ND (0.0017)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
Dibromomethane	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
Dichlorodifluoromethane	ND (0.0087)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
Diethyl Ether	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
Di-isopropyl ether	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
Ethyl tertiary-butyl ether	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
Ethylbenzene	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
Hexachlorobutadiene	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
Isopropylbenzene	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
Methyl tert-Butyl Ether	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
Methylene Chloride	ND (0.0087)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
Naphthalene	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
n-Butylbenzene	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
n-Propylbenzene	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
sec-Butylbenzene	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
Styrene	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
tert-Butylbenzene	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
Tertiary-amyl methyl ether	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
Tetrachloroethene	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
Tetrahydrofuran	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
Toluene	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
 Client Project ID: Conway Park  
 Client Sample ID: P-3 8-10  
 Date Sampled: 11/01/17 14:00  
 Percent Solids: 70  
 Initial Volume: 8.2  
 Final Volume: 10  
 Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
 ESS Laboratory Sample ID: 1711066-02  
 Sample Matrix: Soil  
 Units: mg/kg dry  
 Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
trans-1,2-Dichloroethene	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
trans-1,3-Dichloropropene	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
Trichloroethene	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
Trichlorofluoromethane	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
Vinyl Chloride	ND (0.0087)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
Xylene O	ND (0.0044)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
Xylene P,M	ND (0.0087)		8260B Low		1	11/04/17 21:48	C7K0077	CK70401
Xylenes (Total)	ND (0.0087)		8260B Low		1	11/04/17 21:48		[CALC]

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>	125 %		70-130
<i>Surrogate: 4-Bromofluorobenzene</i>	97 %		70-130
<i>Surrogate: Dibromofluoromethane</i>	104 %		70-130
<i>Surrogate: Toluene-d8</i>	96 %		70-130





*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-3 8-10  
Date Sampled: 11/01/17 14:00  
Percent Solids: 70  
Initial Volume: 24.7  
Final Volume: 2  
Extraction Method: 3546

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-02  
Sample Matrix: Soil  
Units: mg/kg dry

Prepared: 11/3/17 10:55

**MADEP-EPH Extractable Petroleum Hydrocarbons**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
<b>C9-C18 Aliphatics1</b>	<b>186</b> (43.4)		MADEP-EPH		1	ZLC	11/07/17 5:12	C7K0079	CK70307
<b>C19-C36 Aliphatics1</b>	<b>511</b> (43.4)		MADEP-EPH		1	ZLC	11/07/17 5:12	C7K0079	CK70307
<b>C11-C22 Unadjusted Aromatics1</b>	<b>483</b> (43.4)		EPH8270		1	ZLC	11/08/17 20:00	C7K0136	CK70307
<b>C11-C22 Aromatics1,2</b>	<b>438</b> (43.4)		EPH8270			ZLC	11/08/17 20:00		[CALC]
<b>2-Methylnaphthalene</b>	<b>0.68</b> (0.58)		EPH8270		1	ZLC	11/08/17 20:00	C7K0136	CK70307
Acenaphthene	ND (1.16)		EPH8270		1	ZLC	11/08/17 20:00	C7K0136	CK70307
Naphthalene	ND (1.16)		EPH8270		1	ZLC	11/08/17 20:00	C7K0136	CK70307
<b>Phenanthrene</b>	<b>4.88</b> (1.16)		EPH8270		1	ZLC	11/08/17 20:00	C7K0136	CK70307
Acenaphthylene	ND (0.58)		EPH8270		1	ZLC	11/08/17 20:00	C7K0136	CK70307
<b>Anthracene</b>	<b>1.36</b> (1.16)		EPH8270		1	ZLC	11/08/17 20:00	C7K0136	CK70307
<b>Benzo(a)anthracene</b>	<b>3.66</b> (1.16)		EPH8270		1	ZLC	11/08/17 20:00	C7K0136	CK70307
<b>Benzo(a)pyrene</b>	<b>3.46</b> (1.16)		EPH8270		1	ZLC	11/08/17 20:00	C7K0136	CK70307
<b>Benzo(b)fluoranthene</b>	<b>5.18</b> (1.16)		EPH8270		1	ZLC	11/08/17 20:00	C7K0136	CK70307
<b>Benzo(g,h,i)perylene</b>	<b>1.78</b> (1.16)		EPH8270		1	ZLC	11/08/17 20:00	C7K0136	CK70307
<b>Benzo(k)fluoranthene</b>	<b>1.83</b> (1.16)		EPH8270		1	ZLC	11/08/17 20:00	C7K0136	CK70307
<b>Chrysene</b>	<b>4.41</b> (1.16)		EPH8270		1	ZLC	11/08/17 20:00	C7K0136	CK70307
Dibenzo(a,h)Anthracene	ND (0.58)		EPH8270		1	ZLC	11/08/17 20:00	C7K0136	CK70307
<b>Fluoranthene</b>	<b>7.91</b> (1.16)		EPH8270		1	ZLC	11/08/17 20:00	C7K0136	CK70307
Fluorene	ND (1.16)		EPH8270		1	ZLC	11/08/17 20:00	C7K0136	CK70307
<b>Indeno(1,2,3-cd)Pyrene</b>	<b>2.22</b> (1.16)		EPH8270		1	ZLC	11/08/17 20:00	C7K0136	CK70307
<b>Pyrene</b>	<b>7.51</b> (1.16)		EPH8270		1	ZLC	11/08/17 20:00	C7K0136	CK70307

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1-Chlorooctadecane</i>	75 %		40-140
<i>Surrogate: 2-Bromonaphthalene</i>	94 %		40-140
<i>Surrogate: 2-Fluorobiphenyl</i>	100 %		40-140
<i>Surrogate: O-Terphenyl</i>	75 %		40-140





*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
 Client Project ID: Conway Park  
 Client Sample ID: P-3 8-10  
 Date Sampled: 11/01/17 14:00  
 Percent Solids: 70  
 Initial Volume: 15.1  
 Final Volume: 15  
 Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
 ESS Laboratory Sample ID: 1711066-02  
 Sample Matrix: Soil  
 Units: mg/kg dry  
 Analyst: MEK

**MADEP-VPH Volatile Petroleum Hydrocarbon**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
C9-C10 Aromatics	ND (18.5)		MADEP-VPH		1	11/03/17 15:35	C7K0051	CK70319
C5-C8 Aliphatics 1,2	ND (18.5)		MADEP-VPH		1	11/03/17 15:35		[CALC]
C9-C12 Aliphatics 2,3	ND (18.5)		MADEP-VPH		1	11/03/17 15:35		[CALC]
Benzene	ND (0.37)		MADEP-VPH		1	11/03/17 15:35	C7K0051	CK70319
Ethylbenzene	ND (0.37)		MADEP-VPH		1	11/03/17 15:35	C7K0051	CK70319
Methyl tert-Butyl Ether	ND (0.09)		MADEP-VPH		1	11/03/17 15:35	C7K0051	CK70319
Naphthalene	ND (0.37)		MADEP-VPH		1	11/03/17 15:35	C7K0051	CK70319
Toluene	ND (0.37)		MADEP-VPH		1	11/03/17 15:35	C7K0051	CK70319
Xylene O	ND (0.37)		MADEP-VPH		1	11/03/17 15:35	C7K0051	CK70319
Xylene P,M	ND (0.74)		MADEP-VPH		1	11/03/17 15:35	C7K0051	CK70319
<b>1:1 Methanol/Soil Ratio %D</b>	<b>0.7 (N/A)</b>		MADEP-VPH			11/03/17 7:40		CK70319
<b>Preservative:</b>	<b>MeOH - covered</b>		MADEP-VPH					CK70319

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 2,5-Dibromotoluene - FID</i>	<i>106 %</i>		<i>70-130</i>
<i>Surrogate: 2,5-Dibromotoluene - PID</i>	<i>103 %</i>		<i>70-130</i>
<i>Surrogate: Trifluorotoluene - FID</i>	<i>128 %</i>		<i>70-130</i>
<i>Surrogate: Trifluorotoluene - PID</i>	<i>128 %</i>		<i>70-130</i>



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-3 0-2  
Date Sampled: 11/01/17 13:30  
Percent Solids: 88

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-03  
Sample Matrix: Soil  
Units: mg/kg dry

Extraction Method: 3050B

**Total Metals**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Antimony	ND (0.54)		6020A		20	NAR	11/07/17 17:37	2.09	100	CK70328
Arsenic	3.77 (2.71)		6010C		1	BJV	11/06/17 17:33	2.09	100	CK70328
Barium	32.5 (2.71)		6010C		1	BJV	11/06/17 17:33	2.09	100	CK70328
Beryllium	0.38 (0.12)		6010C		1	BJV	11/06/17 17:33	2.09	100	CK70328
Cadmium	ND (0.54)		6010C		1	BJV	11/06/17 17:33	2.09	100	CK70328
Chromium	10.7 (1.08)		6010C		1	BJV	11/06/17 17:33	2.09	100	CK70328
Lead	28.9 (5.42)		6010C		1	BJV	11/06/17 17:33	2.09	100	CK70328
Mercury	0.083 (0.030)		7471B		1	MJV	11/06/17 14:07	0.75	40	CK70348
Nickel	14.6 (2.71)		6010C		1	BJV	11/06/17 17:33	2.09	100	CK70328
Selenium	ND (0.54)		6020A		20	NAR	11/07/17 17:37	2.09	100	CK70328
Silver	ND (0.54)		6010C		1	BJV	11/06/17 17:33	2.09	100	CK70328
Thallium	ND (0.54)		6020A		20	NAR	11/07/17 17:37	2.09	100	CK70328
Vanadium	15.6 (1.08)		6010C		1	BJV	11/06/17 17:33	2.09	100	CK70328
Zinc	35.7 (2.71)		6010C		1	BJV	11/06/17 17:33	2.09	100	CK70328



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-3 0-2  
Date Sampled: 11/01/17 13:30  
Percent Solids: 88  
Initial Volume: 4.9  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-03  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1,1,2-Tetrachloroethane	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
1,1,1-Trichloroethane	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
1,1,2,2-Tetrachloroethane	ND (0.0023)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
1,1,2-Trichloroethane	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
1,1-Dichloroethane	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
1,1-Dichloroethene	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
1,1-Dichloropropene	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
1,2,3-Trichlorobenzene	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
1,2,3-Trichloropropane	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
1,2,4-Trichlorobenzene	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
1,2,4-Trimethylbenzene	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
1,2-Dibromo-3-Chloropropane	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
1,2-Dibromoethane	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
1,2-Dichlorobenzene	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
1,2-Dichloroethane	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
1,2-Dichloropropane	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
1,3,5-Trimethylbenzene	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
1,3-Dichlorobenzene	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
1,3-Dichloropropane	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
1,4-Dichlorobenzene	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
1,4-Dioxane	ND (0.115)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
2,2-Dichloropropane	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
2-Butanone	ND (0.0115)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
2-Chlorotoluene	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
2-Hexanone	ND (0.0115)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
4-Chlorotoluene	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
4-Isopropyltoluene	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
4-Methyl-2-Pentanone	ND (0.0115)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
Acetone	ND (0.0115)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
Benzene	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
Bromobenzene	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
Bromochloromethane	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-3 0-2  
Date Sampled: 11/01/17 13:30  
Percent Solids: 88  
Initial Volume: 4.9  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-03  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Bromodichloromethane	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
Bromoform	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
Bromomethane	ND (0.0115)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
Carbon Disulfide	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
Carbon Tetrachloride	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
Chlorobenzene	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
Chloroethane	ND (0.0115)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
Chloroform	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
Chloromethane	ND (0.0115)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
cis-1,2-Dichloroethene	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
cis-1,3-Dichloropropene	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
Dibromochloromethane	ND (0.0023)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
Dibromomethane	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
Dichlorodifluoromethane	ND (0.0115)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
Diethyl Ether	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
Di-isopropyl ether	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
Ethyl tertiary-butyl ether	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
Ethylbenzene	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
Hexachlorobutadiene	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
Isopropylbenzene	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
Methyl tert-Butyl Ether	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
Methylene Chloride	ND (0.0115)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
Naphthalene	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
n-Butylbenzene	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
n-Propylbenzene	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
sec-Butylbenzene	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
Styrene	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
tert-Butylbenzene	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
Tertiary-amyl methyl ether	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
Tetrachloroethene	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
Tetrahydrofuran	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
Toluene	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
 Client Project ID: Conway Park  
 Client Sample ID: P-3 0-2  
 Date Sampled: 11/01/17 13:30  
 Percent Solids: 88  
 Initial Volume: 4.9  
 Final Volume: 10  
 Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
 ESS Laboratory Sample ID: 1711066-03  
 Sample Matrix: Soil  
 Units: mg/kg dry  
 Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
trans-1,2-Dichloroethene	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
trans-1,3-Dichloropropene	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
Trichloroethene	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
Trichlorofluoromethane	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
Vinyl Chloride	ND (0.0115)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
Xylene O	ND (0.0058)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
Xylene P,M	ND (0.0115)		8260B Low		1	11/04/17 22:13	C7K0077	CK70401
Xylenes (Total)	ND (0.0115)		8260B Low		1	11/04/17 22:13		[CALC]

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>	104 %		70-130
<i>Surrogate: 4-Bromofluorobenzene</i>	102 %		70-130
<i>Surrogate: Dibromofluoromethane</i>	92 %		70-130
<i>Surrogate: Toluene-d8</i>	96 %		70-130



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-3 0-2  
Date Sampled: 11/01/17 13:30  
Percent Solids: 88  
Initial Volume: 24.7  
Final Volume: 1  
Extraction Method: 3546

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-03  
Sample Matrix: Soil  
Units: mg/kg dry

Prepared: 11/3/17 10:55

**MADEP-EPH Extractable Petroleum Hydrocarbons**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
C9-C18 Aliphatics1	ND (17.2)		MADEP-EPH		1	ZLC	11/07/17 5:59	C7K0079	CK70307
C19-C36 Aliphatics1	ND (17.2)		MADEP-EPH		1	ZLC	11/07/17 5:59	C7K0079	CK70307
<b>C11-C22 Unadjusted Aromatics1</b>	<b>17.4 (17.2)</b>		EPH8270		1	ZLC	11/08/17 20:37	C7K0136	CK70307
<b>C11-C22 Aromatics1,2</b>	<b>17.4 (17.2)</b>		EPH8270			ZLC	11/08/17 20:37		[CALC]
2-Methylnaphthalene	ND (0.23)		EPH8270		1	ZLC	11/08/17 20:37	C7K0136	CK70307
Acenaphthene	ND (0.46)		EPH8270		1	ZLC	11/08/17 20:37	C7K0136	CK70307
Naphthalene	ND (0.46)		EPH8270		1	ZLC	11/08/17 20:37	C7K0136	CK70307
Phenanthrene	ND (0.46)		EPH8270		1	ZLC	11/08/17 20:37	C7K0136	CK70307
Acenaphthylene	ND (0.23)		EPH8270		1	ZLC	11/08/17 20:37	C7K0136	CK70307
Anthracene	ND (0.46)		EPH8270		1	ZLC	11/08/17 20:37	C7K0136	CK70307
Benzo(a)anthracene	ND (0.46)		EPH8270		1	ZLC	11/08/17 20:37	C7K0136	CK70307
Benzo(a)pyrene	ND (0.46)		EPH8270		1	ZLC	11/08/17 20:37	C7K0136	CK70307
Benzo(b)fluoranthene	ND (0.46)		EPH8270		1	ZLC	11/08/17 20:37	C7K0136	CK70307
Benzo(g,h,i)perylene	ND (0.46)		EPH8270		1	ZLC	11/08/17 20:37	C7K0136	CK70307
Benzo(k)fluoranthene	ND (0.46)		EPH8270		1	ZLC	11/08/17 20:37	C7K0136	CK70307
Chrysene	ND (0.46)		EPH8270		1	ZLC	11/08/17 20:37	C7K0136	CK70307
Dibenzo(a,h)Anthracene	ND (0.23)		EPH8270		1	ZLC	11/08/17 20:37	C7K0136	CK70307
Fluoranthene	ND (0.46)		EPH8270		1	ZLC	11/08/17 20:37	C7K0136	CK70307
Fluorene	ND (0.46)		EPH8270		1	ZLC	11/08/17 20:37	C7K0136	CK70307
Indeno(1,2,3-cd)Pyrene	ND (0.46)		EPH8270		1	ZLC	11/08/17 20:37	C7K0136	CK70307
Pyrene	ND (0.46)		EPH8270		1	ZLC	11/08/17 20:37	C7K0136	CK70307

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1-Chlorooctadecane</i>	73 %		40-140
<i>Surrogate: 2-Bromonaphthalene</i>	76 %		40-140
<i>Surrogate: 2-Fluorobiphenyl</i>	100 %		40-140
<i>Surrogate: O-Terphenyl</i>	78 %		40-140



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-3 0-2  
Date Sampled: 11/01/17 13:30  
Percent Solids: 88  
Initial Volume: 15  
Final Volume: 15  
Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-03  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**MADEP-VPH Volatile Petroleum Hydrocarbon**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
C9-C10 Aromatics	ND (12.6)		MADEP-VPH		1	11/03/17 16:08	C7K0051	CK70319
C5-C8 Aliphatics1,2	ND (12.6)		MADEP-VPH		1	11/03/17 16:08		[CALC]
C9-C12 Aliphatics2,3	ND (12.6)		MADEP-VPH		1	11/03/17 16:08		[CALC]
Benzene	ND (0.25)		MADEP-VPH		1	11/03/17 16:08	C7K0051	CK70319
Ethylbenzene	ND (0.25)		MADEP-VPH		1	11/03/17 16:08	C7K0051	CK70319
Methyl tert-Butyl Ether	ND (0.06)		MADEP-VPH		1	11/03/17 16:08	C7K0051	CK70319
Naphthalene	ND (0.25)		MADEP-VPH		1	11/03/17 16:08	C7K0051	CK70319
Toluene	ND (0.25)		MADEP-VPH		1	11/03/17 16:08	C7K0051	CK70319
Xylene O	ND (0.25)		MADEP-VPH		1	11/03/17 16:08	C7K0051	CK70319
Xylene P,M	ND (0.51)		MADEP-VPH		1	11/03/17 16:08	C7K0051	CK70319
1:1 Methanol/Soil Ratio %D	ND (N/A)		MADEP-VPH			11/03/17 7:40		CK70319
<b>Preservative:</b>	<b>MeOH - covered</b>		MADEP-VPH					CK70319

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 2,5-Dibromotoluene - FID</i>	<i>104 %</i>		<i>70-130</i>
<i>Surrogate: 2,5-Dibromotoluene - PID</i>	<i>101 %</i>		<i>70-130</i>
<i>Surrogate: Trifluorotoluene - FID</i>	<i>112 %</i>		<i>70-130</i>
<i>Surrogate: Trifluorotoluene - PID</i>	<i>111 %</i>		<i>70-130</i>





*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-8 0-2  
Date Sampled: 11/01/17 10:45  
Percent Solids: 84

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-04  
Sample Matrix: Soil  
Units: mg/kg dry

Extraction Method: 3050B

**Total Metals**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Antimony	ND (0.49)		6020A		20	NAR	11/07/17 17:44	2.4	100	CK70328
Arsenic	6.57 (2.47)		6010C		1	BJV	11/06/17 17:37	2.4	100	CK70328
Barium	36.1 (2.47)		6010C		1	BJV	11/06/17 17:37	2.4	100	CK70328
Beryllium	0.38 (0.11)		6010C		1	BJV	11/06/17 17:37	2.4	100	CK70328
Cadmium	ND (0.49)		6010C		1	BJV	11/06/17 17:37	2.4	100	CK70328
Chromium	13.3 (0.99)		6010C		1	BJV	11/06/17 17:37	2.4	100	CK70328
Lead	87.8 (4.93)		6010C		1	BJV	11/06/17 17:37	2.4	100	CK70328
Mercury	0.151 (0.021)		7471B		1	MJV	11/06/17 14:09	1.13	40	CK70348
Nickel	12.5 (2.47)		6010C		1	BJV	11/06/17 17:37	2.4	100	CK70328
Selenium	ND (0.49)		6020A		20	NAR	11/07/17 17:44	2.4	100	CK70328
Silver	ND (0.49)		6010C		1	BJV	11/06/17 17:37	2.4	100	CK70328
Thallium	ND (0.49)		6020A		20	NAR	11/07/17 17:44	2.4	100	CK70328
Vanadium	17.7 (0.99)		6010C		1	BJV	11/06/17 17:37	2.4	100	CK70328
Zinc	148 (2.47)		6010C		1	BJV	11/06/17 17:37	2.4	100	CK70328





*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-8 0-2  
Date Sampled: 11/01/17 10:45  
Percent Solids: 84  
Initial Volume: 5.1  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-04  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1,1,2-Tetrachloroethane	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
1,1,1-Trichloroethane	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
1,1,2,2-Tetrachloroethane	ND (0.0023)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
1,1,2-Trichloroethane	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
1,1-Dichloroethane	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
1,1-Dichloroethene	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
1,1-Dichloropropene	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
1,2,3-Trichlorobenzene	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
1,2,3-Trichloropropane	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
1,2,4-Trichlorobenzene	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
1,2,4-Trimethylbenzene	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
1,2-Dibromo-3-Chloropropane	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
1,2-Dibromoethane	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
1,2-Dichlorobenzene	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
1,2-Dichloroethane	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
1,2-Dichloropropane	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
1,3,5-Trimethylbenzene	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
1,3-Dichlorobenzene	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
1,3-Dichloropropane	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
1,4-Dichlorobenzene	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
1,4-Dioxane	ND (0.116)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
2,2-Dichloropropane	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
2-Butanone	ND (0.0116)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
2-Chlorotoluene	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
2-Hexanone	ND (0.0116)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
4-Chlorotoluene	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
4-Isopropyltoluene	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
4-Methyl-2-Pentanone	ND (0.0116)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
Acetone	ND (0.0116)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
Benzene	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
Bromobenzene	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
Bromochloromethane	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-8 0-2  
Date Sampled: 11/01/17 10:45  
Percent Solids: 84  
Initial Volume: 5.1  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-04  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Bromodichloromethane	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
Bromoform	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
Bromomethane	ND (0.0116)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
Carbon Disulfide	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
Carbon Tetrachloride	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
Chlorobenzene	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
Chloroethane	ND (0.0116)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
Chloroform	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
Chloromethane	ND (0.0116)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
cis-1,2-Dichloroethene	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
cis-1,3-Dichloropropene	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
Dibromochloromethane	ND (0.0023)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
Dibromomethane	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
Dichlorodifluoromethane	ND (0.0116)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
Diethyl Ether	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
Di-isopropyl ether	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
Ethyl tertiary-butyl ether	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
Ethylbenzene	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
Hexachlorobutadiene	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
Isopropylbenzene	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
Methyl tert-Butyl Ether	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
Methylene Chloride	ND (0.0116)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
Naphthalene	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
n-Butylbenzene	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
n-Propylbenzene	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
sec-Butylbenzene	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
Styrene	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
tert-Butylbenzene	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
Tertiary-amyl methyl ether	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
Tetrachloroethene	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
Tetrahydrofuran	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
Toluene	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-8 0-2  
Date Sampled: 11/01/17 10:45  
Percent Solids: 84  
Initial Volume: 5.1  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-04  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
trans-1,2-Dichloroethene	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
trans-1,3-Dichloropropene	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
Trichloroethene	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
Trichlorofluoromethane	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
Vinyl Chloride	ND (0.0116)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
Xylene O	ND (0.0058)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
Xylene P,M	ND (0.0116)		8260B Low		1	11/04/17 22:38	C7K0077	CK70401
Xylenes (Total)	ND (0.0116)		8260B Low		1	11/04/17 22:38		[CALC]

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>	102 %		70-130
<i>Surrogate: 4-Bromofluorobenzene</i>	96 %		70-130
<i>Surrogate: Dibromofluoromethane</i>	92 %		70-130
<i>Surrogate: Toluene-d8</i>	101 %		70-130



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-8 0-2  
Date Sampled: 11/01/17 10:45  
Percent Solids: 84  
Initial Volume: 24.8  
Final Volume: 1  
Extraction Method: 3546

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-04  
Sample Matrix: Soil  
Units: mg/kg dry  
  
Prepared: 11/3/17 10:55

**MADEP-EPH Extractable Petroleum Hydrocarbons**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
C9-C18 Aliphatics1	ND (17.9)		MADEP-EPH		1	ZLC	11/07/17 6:46	C7K0079	CK70307
C19-C36 Aliphatics1	ND (17.9)		MADEP-EPH		1	ZLC	11/07/17 6:46	C7K0079	CK70307
<b>C11-C22 Unadjusted Aromatics1</b>	<b>48.6</b> (17.9)		EPH8270		1	ZLC	11/08/17 21:14	C7K0136	CK70307
<b>C11-C22 Aromatics1,2</b>	<b>40.9</b> (17.9)		EPH8270			ZLC	11/08/17 21:14		[CALC]
2-Methylnaphthalene	ND (0.24)		EPH8270		1	ZLC	11/08/17 21:14	C7K0136	CK70307
Acenaphthene	ND (0.48)		EPH8270		1	ZLC	11/08/17 21:14	C7K0136	CK70307
Naphthalene	ND (0.48)		EPH8270		1	ZLC	11/08/17 21:14	C7K0136	CK70307
<b>Phenanthrene</b>	<b>0.89</b> (0.48)		EPH8270		1	ZLC	11/08/17 21:14	C7K0136	CK70307
Acenaphthylene	ND (0.24)		EPH8270		1	ZLC	11/08/17 21:14	C7K0136	CK70307
Anthracene	ND (0.48)		EPH8270		1	ZLC	11/08/17 21:14	C7K0136	CK70307
<b>Benzo(a)anthracene</b>	<b>0.73</b> (0.48)		EPH8270		1	ZLC	11/08/17 21:14	C7K0136	CK70307
<b>Benzo(a)pyrene</b>	<b>0.73</b> (0.48)		EPH8270		1	ZLC	11/08/17 21:14	C7K0136	CK70307
<b>Benzo(b)fluoranthene</b>	<b>0.95</b> (0.48)		EPH8270		1	ZLC	11/08/17 21:14	C7K0136	CK70307
<b>Benzo(g,h,i)perylene</b>	<b>0.50</b> (0.48)		EPH8270		1	ZLC	11/08/17 21:14	C7K0136	CK70307
Benzo(k)fluoranthene	ND (0.48)		EPH8270		1	ZLC	11/08/17 21:14	C7K0136	CK70307
<b>Chrysene</b>	<b>0.76</b> (0.48)		EPH8270		1	ZLC	11/08/17 21:14	C7K0136	CK70307
Dibenzo(a,h)Anthracene	ND (0.24)		EPH8270		1	ZLC	11/08/17 21:14	C7K0136	CK70307
<b>Fluoranthene</b>	<b>1.39</b> (0.48)		EPH8270		1	ZLC	11/08/17 21:14	C7K0136	CK70307
Fluorene	ND (0.48)		EPH8270		1	ZLC	11/08/17 21:14	C7K0136	CK70307
<b>Indeno(1,2,3-cd)Pyrene</b>	<b>0.54</b> (0.48)		EPH8270		1	ZLC	11/08/17 21:14	C7K0136	CK70307
<b>Pyrene</b>	<b>1.22</b> (0.48)		EPH8270		1	ZLC	11/08/17 21:14	C7K0136	CK70307

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1-Chlorooctadecane</i>	82 %		40-140
<i>Surrogate: 2-Bromonaphthalene</i>	78 %		40-140
<i>Surrogate: 2-Fluorobiphenyl</i>	103 %		40-140
<i>Surrogate: O-Terphenyl</i>	83 %		40-140



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-8 0-2  
Date Sampled: 11/01/17 10:45  
Percent Solids: 84  
Initial Volume: 15.6  
Final Volume: 15  
Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-04  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**MADEP-VPH Volatile Petroleum Hydrocarbon**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
C9-C10 Aromatics	ND (13.2)		MADEP-VPH		1	11/03/17 16:42	C7K0051	CK70319
C5-C8 Aliphatics1,2	ND (13.2)		MADEP-VPH		1	11/03/17 16:42		[CALC]
C9-C12 Aliphatics2,3	ND (13.2)		MADEP-VPH		1	11/03/17 16:42		[CALC]
Benzene	ND (0.26)		MADEP-VPH		1	11/03/17 16:42	C7K0051	CK70319
Ethylbenzene	ND (0.26)		MADEP-VPH		1	11/03/17 16:42	C7K0051	CK70319
Methyl tert-Butyl Ether	ND (0.07)		MADEP-VPH		1	11/03/17 16:42	C7K0051	CK70319
Naphthalene	ND (0.26)		MADEP-VPH		1	11/03/17 16:42	C7K0051	CK70319
Toluene	ND (0.26)		MADEP-VPH		1	11/03/17 16:42	C7K0051	CK70319
Xylene O	ND (0.26)		MADEP-VPH		1	11/03/17 16:42	C7K0051	CK70319
Xylene P,M	ND (0.53)		MADEP-VPH		1	11/03/17 16:42	C7K0051	CK70319
<b>1:1 Methanol/Soil Ratio %D</b>	<b>4 (N/A)</b>		MADEP-VPH			11/03/17 7:40		CK70319
<b>Preservative:</b>	<b>MeOH - covered</b>		MADEP-VPH					CK70319

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 2,5-Dibromotoluene - FID</i>	<i>103 %</i>		<i>70-130</i>
<i>Surrogate: 2,5-Dibromotoluene - PID</i>	<i>100 %</i>		<i>70-130</i>
<i>Surrogate: Trifluorotoluene - FID</i>	<i>113 %</i>		<i>70-130</i>
<i>Surrogate: Trifluorotoluene - PID</i>	<i>113 %</i>		<i>70-130</i>



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-5 0-2  
Date Sampled: 11/01/17 12:15  
Percent Solids: 87

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-05  
Sample Matrix: Soil  
Units: mg/kg dry

Extraction Method: 3050B

**Total Metals**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Antimony	1.25 (0.52)		6020A		20	NAR	11/07/17 17:50	2.19	100	CK70328
Arsenic	7.26 (2.62)		6010C		1	BJV	11/06/17 17:41	2.19	100	CK70328
Barium	40.0 (2.62)		6010C		1	BJV	11/06/17 17:41	2.19	100	CK70328
Beryllium	0.32 (0.12)		6010C		1	BJV	11/06/17 17:41	2.19	100	CK70328
Cadmium	ND (0.52)		6010C		1	BJV	11/06/17 17:41	2.19	100	CK70328
Chromium	11.8 (1.05)		6010C		1	BJV	11/06/17 17:41	2.19	100	CK70328
Lead	207 (5.24)		6010C		1	BJV	11/06/17 17:41	2.19	100	CK70328
Mercury	0.428 (0.021)		7471B		1	MJV	11/06/17 14:15	1.06	40	CK70348
Nickel	13.9 (2.62)		6010C		1	BJV	11/06/17 17:41	2.19	100	CK70328
Selenium	ND (0.52)		6020A		20	NAR	11/07/17 17:50	2.19	100	CK70328
Silver	ND (0.52)		6010C		1	BJV	11/06/17 17:41	2.19	100	CK70328
Thallium	ND (0.52)		6020A		20	NAR	11/07/17 17:50	2.19	100	CK70328
Vanadium	22.6 (1.05)		6010C		1	BJV	11/06/17 17:41	2.19	100	CK70328
Zinc	261 (2.62)		6010C		1	BJV	11/06/17 17:41	2.19	100	CK70328



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-5 0-2  
Date Sampled: 11/01/17 12:15  
Percent Solids: 87  
Initial Volume: 5  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-05  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1,1,2-Tetrachloroethane	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
1,1,1-Trichloroethane	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
1,1,2,2-Tetrachloroethane	ND (0.0023)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
1,1,2-Trichloroethane	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
1,1-Dichloroethane	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
1,1-Dichloroethene	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
1,1-Dichloropropene	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
1,2,3-Trichlorobenzene	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
1,2,3-Trichloropropane	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
1,2,4-Trichlorobenzene	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
1,2,4-Trimethylbenzene	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
1,2-Dibromo-3-Chloropropane	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
1,2-Dibromoethane	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
1,2-Dichlorobenzene	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
1,2-Dichloroethane	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
1,2-Dichloropropane	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
1,3,5-Trimethylbenzene	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
1,3-Dichlorobenzene	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
1,3-Dichloropropane	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
1,4-Dichlorobenzene	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
1,4-Dioxane	ND (0.115)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
2,2-Dichloropropane	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
2-Butanone	ND (0.0115)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
2-Chlorotoluene	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
2-Hexanone	ND (0.0115)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
4-Chlorotoluene	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
4-Isopropyltoluene	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
4-Methyl-2-Pentanone	ND (0.0115)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
Acetone	ND (0.0115)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
Benzene	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
Bromobenzene	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
Bromochloromethane	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401





*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-5 0-2  
Date Sampled: 11/01/17 12:15  
Percent Solids: 87  
Initial Volume: 5  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-05  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Bromodichloromethane	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
Bromoform	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
Bromomethane	ND (0.0115)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
Carbon Disulfide	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
Carbon Tetrachloride	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
Chlorobenzene	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
Chloroethane	ND (0.0115)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
Chloroform	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
Chloromethane	ND (0.0115)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
cis-1,2-Dichloroethene	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
cis-1,3-Dichloropropene	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
Dibromochloromethane	ND (0.0023)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
Dibromomethane	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
Dichlorodifluoromethane	ND (0.0115)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
Diethyl Ether	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
Di-isopropyl ether	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
Ethyl tertiary-butyl ether	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
Ethylbenzene	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
Hexachlorobutadiene	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
Isopropylbenzene	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
Methyl tert-Butyl Ether	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
Methylene Chloride	ND (0.0115)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
Naphthalene	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
n-Butylbenzene	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
n-Propylbenzene	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
sec-Butylbenzene	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
Styrene	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
tert-Butylbenzene	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
Tertiary-amyl methyl ether	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
Tetrachloroethene	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
Tetrahydrofuran	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
Toluene	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401





*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-5 0-2  
Date Sampled: 11/01/17 12:15  
Percent Solids: 87  
Initial Volume: 5  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-05  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
trans-1,2-Dichloroethene	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
trans-1,3-Dichloropropene	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
Trichloroethene	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
Trichlorofluoromethane	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
Vinyl Chloride	ND (0.0115)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
Xylene O	ND (0.0057)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
Xylene P,M	ND (0.0115)		8260B Low		1	11/04/17 23:03	C7K0077	CK70401
Xylenes (Total)	ND (0.0115)		8260B Low		1	11/04/17 23:03		[CALC]

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>109 %</i>		<i>70-130</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>93 %</i>		<i>70-130</i>
<i>Surrogate: Dibromofluoromethane</i>	<i>94 %</i>		<i>70-130</i>
<i>Surrogate: Toluene-d8</i>	<i>102 %</i>		<i>70-130</i>



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-5 0-2  
Date Sampled: 11/01/17 12:15  
Percent Solids: 87  
Initial Volume: 24.3  
Final Volume: 3  
Extraction Method: 3546

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-05  
Sample Matrix: Soil  
Units: mg/kg dry  
  
Prepared: 11/3/17 10:55

**MADEP-EPH Extractable Petroleum Hydrocarbons**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
C9-C18 Aliphatics1	ND (53.1)		MADEP-EPH		1	ZLC	11/07/17 7:34	C7K0079	CK70307
<b>C19-C36 Aliphatics1</b>	<b>251</b> (53.1)		MADEP-EPH		1	ZLC	11/07/17 7:34	C7K0079	CK70307
<b>C11-C22 Unadjusted Aromatics1</b>	<b>393</b> (53.1)		EPH8270		1	ZLC	11/08/17 21:50	C7K0136	CK70307
<b>C11-C22 Aromatics1,2</b>	<b>370</b> (53.1)		EPH8270			ZLC	11/08/17 21:50		[CALC]
2-Methylnaphthalene	ND (0.71)		EPH8270		1	ZLC	11/08/17 21:50	C7K0136	CK70307
Acenaphthene	ND (1.42)		EPH8270		1	ZLC	11/08/17 21:50	C7K0136	CK70307
Naphthalene	ND (1.42)		EPH8270		1	ZLC	11/08/17 21:50	C7K0136	CK70307
<b>Phenanthrene</b>	<b>3.80</b> (1.42)		EPH8270		1	ZLC	11/08/17 21:50	C7K0136	CK70307
Acenaphthylene	ND (0.71)		EPH8270		1	ZLC	11/08/17 21:50	C7K0136	CK70307
Anthracene	ND (1.42)		EPH8270		1	ZLC	11/08/17 21:50	C7K0136	CK70307
<b>Benzo(a)anthracene</b>	<b>2.50</b> (1.42)		EPH8270		1	ZLC	11/08/17 21:50	C7K0136	CK70307
<b>Benzo(a)pyrene</b>	<b>1.76</b> (1.42)		EPH8270		1	ZLC	11/08/17 21:50	C7K0136	CK70307
<b>Benzo(b)fluoranthene</b>	<b>2.60</b> (1.42)		EPH8270		1	ZLC	11/08/17 21:50	C7K0136	CK70307
Benzo(g,h,i)perylene	ND (1.42)		EPH8270		1	ZLC	11/08/17 21:50	C7K0136	CK70307
Benzo(k)fluoranthene	ND (1.42)		EPH8270		1	ZLC	11/08/17 21:50	C7K0136	CK70307
<b>Chrysene</b>	<b>2.43</b> (1.42)		EPH8270		1	ZLC	11/08/17 21:50	C7K0136	CK70307
Dibenzo(a,h)Anthracene	ND (0.71)		EPH8270		1	ZLC	11/08/17 21:50	C7K0136	CK70307
<b>Fluoranthene</b>	<b>4.82</b> (1.42)		EPH8270		1	ZLC	11/08/17 21:50	C7K0136	CK70307
Fluorene	ND (1.42)		EPH8270		1	ZLC	11/08/17 21:50	C7K0136	CK70307
Indeno(1,2,3-cd)Pyrene	ND (1.42)		EPH8270		1	ZLC	11/08/17 21:50	C7K0136	CK70307
<b>Pyrene</b>	<b>4.48</b> (1.42)		EPH8270		1	ZLC	11/08/17 21:50	C7K0136	CK70307

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1-Chlorooctadecane</i>	81 %		40-140
<i>Surrogate: 2-Bromonaphthalene</i>	70 %		40-140
<i>Surrogate: 2-Fluorobiphenyl</i>	84 %		40-140
<i>Surrogate: O-Terphenyl</i>	77 %		40-140



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-5 0-2  
Date Sampled: 11/01/17 12:15  
Percent Solids: 87  
Initial Volume: 16.2  
Final Volume: 15  
Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-05  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**MADEP-VPH Volatile Petroleum Hydrocarbon**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
C9-C10 Aromatics	ND (12.1)		MADEP-VPH		1	11/03/17 17:15	C7K0051	CK70319
C5-C8 Aliphatics1,2	ND (12.1)		MADEP-VPH		1	11/03/17 17:15		[CALC]
C9-C12 Aliphatics2,3	ND (12.1)		MADEP-VPH		1	11/03/17 17:15		[CALC]
Benzene	ND (0.24)		MADEP-VPH		1	11/03/17 17:15	C7K0051	CK70319
Ethylbenzene	ND (0.24)		MADEP-VPH		1	11/03/17 17:15	C7K0051	CK70319
Methyl tert-Butyl Ether	ND (0.06)		MADEP-VPH		1	11/03/17 17:15	C7K0051	CK70319
Naphthalene	ND (0.24)		MADEP-VPH		1	11/03/17 17:15	C7K0051	CK70319
Toluene	ND (0.24)		MADEP-VPH		1	11/03/17 17:15	C7K0051	CK70319
Xylene O	ND (0.24)		MADEP-VPH		1	11/03/17 17:15	C7K0051	CK70319
Xylene P,M	ND (0.48)		MADEP-VPH		1	11/03/17 17:15	C7K0051	CK70319
<b>1:1 Methanol/Soil Ratio %D</b>	<b>8 (N/A)</b>		MADEP-VPH			11/03/17 7:40		CK70319
<b>Preservative:</b>	<b>MeOH - covered</b>		MADEP-VPH					CK70319

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 2,5-Dibromotoluene - FID</i>	<i>102 %</i>		<i>70-130</i>
<i>Surrogate: 2,5-Dibromotoluene - PID</i>	<i>99 %</i>		<i>70-130</i>
<i>Surrogate: Trifluorotoluene - FID</i>	<i>112 %</i>		<i>70-130</i>
<i>Surrogate: Trifluorotoluene - PID</i>	<i>113 %</i>		<i>70-130</i>



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-4 5-7  
Date Sampled: 11/01/17 10:00  
Percent Solids: 87

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-06  
Sample Matrix: Soil  
Units: mg/kg dry

Extraction Method: 3050B

**Total Metals**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Antimony	0.81 (0.55)		6020A		20	NAR	11/07/17 17:57	2.09	100	CK70328
Arsenic	5.75 (2.74)		6010C		1	BJV	11/06/17 17:45	2.09	100	CK70328
Barium	75.1 (2.74)		6010C		1	BJV	11/06/17 17:45	2.09	100	CK70328
Beryllium	0.12 (0.12)		6010C		1	BJV	11/06/17 17:45	2.09	100	CK70328
Cadmium	1.01 (0.55)		6010C		1	BJV	11/06/17 17:45	2.09	100	CK70328
Chromium	10.1 (1.10)		6010C		1	BJV	11/06/17 17:45	2.09	100	CK70328
Lead	1020 (5.48)		6010C		1	BJV	11/06/17 17:45	2.09	100	CK70328
Mercury	0.418 (0.034)		7471B		1	MJV	11/06/17 14:17	0.67	40	CK70348
Nickel	13.1 (2.74)		6010C		1	BJV	11/06/17 17:45	2.09	100	CK70328
Selenium	ND (0.55)		6020A		20	NAR	11/07/17 17:57	2.09	100	CK70328
Silver	0.64 (0.55)		6010C		1	BJV	11/06/17 17:45	2.09	100	CK70328
Thallium	ND (0.55)		6020A		20	NAR	11/07/17 17:57	2.09	100	CK70328
Vanadium	12.4 (1.10)		6010C		1	BJV	11/06/17 17:45	2.09	100	CK70328
Zinc	67.0 (2.74)		6010C		1	BJV	11/06/17 17:45	2.09	100	CK70328



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-4 5-7  
Date Sampled: 11/01/17 10:00  
Percent Solids: 87  
Initial Volume: 6.4  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-06  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1,1,2-Tetrachloroethane	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
1,1,1-Trichloroethane	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
1,1,2,2-Tetrachloroethane	ND (0.0018)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
1,1,2-Trichloroethane	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
1,1-Dichloroethane	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
1,1-Dichloroethene	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
1,1-Dichloropropene	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
1,2,3-Trichlorobenzene	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
1,2,3-Trichloropropane	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
1,2,4-Trichlorobenzene	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
1,2,4-Trimethylbenzene	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
1,2-Dibromo-3-Chloropropane	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
1,2-Dibromoethane	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
1,2-Dichlorobenzene	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
1,2-Dichloroethane	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
1,2-Dichloropropane	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
1,3,5-Trimethylbenzene	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
1,3-Dichlorobenzene	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
1,3-Dichloropropane	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
1,4-Dichlorobenzene	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
1,4-Dioxane	ND (0.0895)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
2,2-Dichloropropane	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
2-Butanone	ND (0.0089)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
2-Chlorotoluene	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
2-Hexanone	ND (0.0089)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
4-Chlorotoluene	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
4-Isopropyltoluene	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
4-Methyl-2-Pentanone	ND (0.0089)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
Acetone	ND (0.0089)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
Benzene	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
Bromobenzene	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
Bromochloromethane	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-4 5-7  
Date Sampled: 11/01/17 10:00  
Percent Solids: 87  
Initial Volume: 6.4  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-06  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Bromodichloromethane	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
Bromoform	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
Bromomethane	ND (0.0089)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
Carbon Disulfide	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
Carbon Tetrachloride	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
Chlorobenzene	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
Chloroethane	ND (0.0089)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
Chloroform	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
Chloromethane	ND (0.0089)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
cis-1,2-Dichloroethene	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
cis-1,3-Dichloropropene	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
Dibromochloromethane	ND (0.0018)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
Dibromomethane	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
Dichlorodifluoromethane	ND (0.0089)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
Diethyl Ether	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
Di-isopropyl ether	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
Ethyl tertiary-butyl ether	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
Ethylbenzene	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
Hexachlorobutadiene	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
Isopropylbenzene	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
Methyl tert-Butyl Ether	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
Methylene Chloride	ND (0.0089)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
Naphthalene	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
n-Butylbenzene	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
n-Propylbenzene	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
sec-Butylbenzene	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
Styrene	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
tert-Butylbenzene	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
Tertiary-amyl methyl ether	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
Tetrachloroethene	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
Tetrahydrofuran	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
Toluene	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-4 5-7  
Date Sampled: 11/01/17 10:00  
Percent Solids: 87  
Initial Volume: 6.4  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-06  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
trans-1,2-Dichloroethene	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
trans-1,3-Dichloropropene	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
Trichloroethene	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
Trichlorofluoromethane	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
Vinyl Chloride	ND (0.0089)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
Xylene O	ND (0.0045)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
Xylene P,M	ND (0.0089)		8260B Low		1	11/04/17 23:29	C7K0077	CK70401
Xylenes (Total)	ND (0.0089)		8260B Low		1	11/04/17 23:29		[CALC]

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>	108 %		70-130
<i>Surrogate: 4-Bromofluorobenzene</i>	94 %		70-130
<i>Surrogate: Dibromofluoromethane</i>	96 %		70-130
<i>Surrogate: Toluene-d8</i>	103 %		70-130





*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-4 5-7  
Date Sampled: 11/01/17 10:00  
Percent Solids: 87  
Initial Volume: 25.8  
Final Volume: 1  
Extraction Method: 3546

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-06  
Sample Matrix: Soil  
Units: mg/kg dry

Prepared: 11/3/17 10:55

**MADEP-EPH Extractable Petroleum Hydrocarbons**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
C9-C18 Aliphatics1	ND (16.6)		MADEP-EPH		1	ZLC	11/07/17 13:47	C7K0079	CK70307
C19-C36 Aliphatics1	ND (16.6)		MADEP-EPH		1	ZLC	11/07/17 13:47	C7K0079	CK70307
<b>C11-C22 Unadjusted Aromatics1</b>	<b>88.2</b> (16.6)		EPH8270		1	ZLC	11/08/17 22:27	C7K0136	CK70307
<b>C11-C22 Aromatics1,2</b>	<b>74.5</b> (16.6)		EPH8270			ZLC	11/08/17 22:27		[CALC]
2-Methylnaphthalene	ND (0.22)		EPH8270		1	ZLC	11/08/17 22:27	C7K0136	CK70307
Acenaphthene	ND (0.44)		EPH8270		1	ZLC	11/08/17 22:27	C7K0136	CK70307
Naphthalene	ND (0.44)		EPH8270		1	ZLC	11/08/17 22:27	C7K0136	CK70307
<b>Phenanthrene</b>	<b>2.78</b> (0.44)		EPH8270		1	ZLC	11/08/17 22:27	C7K0136	CK70307
Acenaphthylene	ND (0.22)		EPH8270		1	ZLC	11/08/17 22:27	C7K0136	CK70307
<b>Anthracene</b>	<b>0.75</b> (0.44)		EPH8270		1	ZLC	11/08/17 22:27	C7K0136	CK70307
<b>Benzo(a)anthracene</b>	<b>1.40</b> (0.44)		EPH8270		1	ZLC	11/08/17 22:27	C7K0136	CK70307
<b>Benzo(a)pyrene</b>	<b>1.12</b> (0.44)		EPH8270		1	ZLC	11/08/17 22:27	C7K0136	CK70307
<b>Benzo(b)fluoranthene</b>	<b>1.36</b> (0.44)		EPH8270		1	ZLC	11/08/17 22:27	C7K0136	CK70307
Benzo(g,h,i)perylene	ND (0.44)		EPH8270		1	ZLC	11/08/17 22:27	C7K0136	CK70307
Benzo(k)fluoranthene	ND (0.44)		EPH8270		1	ZLC	11/08/17 22:27	C7K0136	CK70307
<b>Chrysene</b>	<b>1.36</b> (0.44)		EPH8270		1	ZLC	11/08/17 22:27	C7K0136	CK70307
Dibenzo(a,h)Anthracene	ND (0.22)		EPH8270		1	ZLC	11/08/17 22:27	C7K0136	CK70307
<b>Fluoranthene</b>	<b>2.48</b> (0.44)		EPH8270		1	ZLC	11/08/17 22:27	C7K0136	CK70307
Fluorene	ND (0.44)		EPH8270		1	ZLC	11/08/17 22:27	C7K0136	CK70307
Indeno(1,2,3-cd)Pyrene	ND (0.44)		EPH8270		1	ZLC	11/08/17 22:27	C7K0136	CK70307
<b>Pyrene</b>	<b>2.43</b> (0.44)		EPH8270		1	ZLC	11/08/17 22:27	C7K0136	CK70307

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1-Chlorooctadecane</i>	57 %		40-140
<i>Surrogate: 2-Bromonaphthalene</i>	65 %		40-140
<i>Surrogate: 2-Fluorobiphenyl</i>	95 %		40-140
<i>Surrogate: O-Terphenyl</i>	60 %		40-140





*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-4 5-7  
Date Sampled: 11/01/17 10:00  
Percent Solids: 87  
Initial Volume: 10.5  
Final Volume: 15  
Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-06  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**MADEP-VPH Volatile Petroleum Hydrocarbon**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
C9-C10 Aromatics	ND (17.8)		MADEP-VPH		1	11/03/17 17:48	C7K0051	CK70319
C5-C8 Aliphatics1,2	ND (17.8)		MADEP-VPH		1	11/03/17 17:48		[CALC]
C9-C12 Aliphatics2,3	ND (17.8)		MADEP-VPH		1	11/03/17 17:48		[CALC]
Benzene	ND (0.36)		MADEP-VPH		1	11/03/17 17:48	C7K0051	CK70319
Ethylbenzene	ND (0.36)		MADEP-VPH		1	11/03/17 17:48	C7K0051	CK70319
Methyl tert-Butyl Ether	ND (0.09)		MADEP-VPH		1	11/03/17 17:48	C7K0051	CK70319
Naphthalene	ND (0.36)		MADEP-VPH		1	11/03/17 17:48	C7K0051	CK70319
Toluene	ND (0.36)		MADEP-VPH		1	11/03/17 17:48	C7K0051	CK70319
Xylene O	ND (0.36)		MADEP-VPH		1	11/03/17 17:48	C7K0051	CK70319
Xylene P,M	ND (0.71)		MADEP-VPH		1	11/03/17 17:48	C7K0051	CK70319
<b>1:1 Methanol/Soil Ratio %D</b>	<b>30 (N/A)</b>		MADEP-VPH			11/03/17 7:40		CK70319
<b>Preservative:</b>	<b>MeOH - covered</b>		MADEP-VPH					CK70319

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 2,5-Dibromotoluene - FID</i>	<i>107 %</i>		<i>70-130</i>
<i>Surrogate: 2,5-Dibromotoluene - PID</i>	<i>105 %</i>		<i>70-130</i>
<i>Surrogate: Trifluorotoluene - FID</i>	<i>101 %</i>		<i>70-130</i>
<i>Surrogate: Trifluorotoluene - PID</i>	<i>102 %</i>		<i>70-130</i>



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-4 0-2  
Date Sampled: 11/01/17 09:45  
Percent Solids: 88

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-07  
Sample Matrix: Soil  
Units: mg/kg dry

Extraction Method: 3050B

**Total Metals**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Antimony	ND (0.54)		6020A		20	NAR	11/07/17 18:17	2.09	100	CK70328
Arsenic	7.05 (2.71)		6010C		1	BJV	11/06/17 17:50	2.09	100	CK70328
Barium	15.7 (2.71)		6010C		1	BJV	11/06/17 17:50	2.09	100	CK70328
Beryllium	0.24 (0.12)		6010C		1	BJV	11/06/17 17:50	2.09	100	CK70328
Cadmium	ND (0.54)		6010C		1	BJV	11/06/17 17:50	2.09	100	CK70328
Chromium	8.78 (1.08)		6010C		1	BJV	11/06/17 17:50	2.09	100	CK70328
Lead	29.7 (5.41)		6010C		1	BJV	11/06/17 17:50	2.09	100	CK70328
Mercury	0.059 (0.033)		7471B		1	MJV	11/06/17 14:19	0.68	40	CK70348
Nickel	6.13 (2.71)		6010C		1	BJV	11/06/17 17:50	2.09	100	CK70328
Selenium	ND (0.54)		6020A		20	NAR	11/07/17 18:17	2.09	100	CK70328
Silver	ND (0.54)		6010C		1	BJV	11/06/17 17:50	2.09	100	CK70328
Thallium	ND (0.54)		6020A		20	NAR	11/07/17 18:17	2.09	100	CK70328
Vanadium	11.0 (1.08)		6010C		1	BJV	11/06/17 17:50	2.09	100	CK70328
Zinc	40.5 (2.71)		6010C		1	BJV	11/06/17 17:50	2.09	100	CK70328



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-4 0-2  
Date Sampled: 11/01/17 09:45  
Percent Solids: 88  
Initial Volume: 7.1  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-07  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1,1,2-Tetrachloroethane	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
1,1,1-Trichloroethane	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
1,1,2,2-Tetrachloroethane	ND (0.0016)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
1,1,2-Trichloroethane	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
1,1-Dichloroethane	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
1,1-Dichloroethene	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
1,1-Dichloropropene	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
1,2,3-Trichlorobenzene	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
1,2,3-Trichloropropane	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
1,2,4-Trichlorobenzene	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
1,2,4-Trimethylbenzene	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
1,2-Dibromo-3-Chloropropane	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
1,2-Dibromoethane	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
1,2-Dichlorobenzene	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
1,2-Dichloroethane	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
1,2-Dichloropropane	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
1,3,5-Trimethylbenzene	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
1,3-Dichlorobenzene	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
1,3-Dichloropropane	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
1,4-Dichlorobenzene	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
1,4-Dioxane	ND (0.0797)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
2,2-Dichloropropane	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
2-Butanone	ND (0.0080)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
2-Chlorotoluene	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
2-Hexanone	ND (0.0080)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
4-Chlorotoluene	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
4-Isopropyltoluene	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
4-Methyl-2-Pentanone	ND (0.0080)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
Acetone	ND (0.0080)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
Benzene	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
Bromobenzene	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
Bromochloromethane	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-4 0-2  
Date Sampled: 11/01/17 09:45  
Percent Solids: 88  
Initial Volume: 7.1  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-07  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Bromodichloromethane	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
Bromoform	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
Bromomethane	ND (0.0080)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
Carbon Disulfide	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
Carbon Tetrachloride	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
Chlorobenzene	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
Chloroethane	ND (0.0080)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
Chloroform	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
Chloromethane	ND (0.0080)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
cis-1,2-Dichloroethene	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
cis-1,3-Dichloropropene	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
Dibromochloromethane	ND (0.0016)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
Dibromomethane	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
Dichlorodifluoromethane	ND (0.0080)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
Diethyl Ether	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
Di-isopropyl ether	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
Ethyl tertiary-butyl ether	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
Ethylbenzene	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
Hexachlorobutadiene	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
Isopropylbenzene	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
Methyl tert-Butyl Ether	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
Methylene Chloride	ND (0.0080)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
Naphthalene	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
n-Butylbenzene	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
n-Propylbenzene	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
sec-Butylbenzene	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
Styrene	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
tert-Butylbenzene	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
Tertiary-amyl methyl ether	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
Tetrachloroethene	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
Tetrahydrofuran	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
Toluene	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-4 0-2  
Date Sampled: 11/01/17 09:45  
Percent Solids: 88  
Initial Volume: 7.1  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-07  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
trans-1,2-Dichloroethene	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
trans-1,3-Dichloropropene	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
Trichloroethene	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
Trichlorofluoromethane	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
Vinyl Chloride	ND (0.0080)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
Xylene O	ND (0.0040)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
Xylene P,M	ND (0.0080)		8260B Low		1	11/04/17 23:54	C7K0077	CK70401
Xylenes (Total)	ND (0.0080)		8260B Low		1	11/04/17 23:54		[CALC]

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>108 %</i>		<i>70-130</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>92 %</i>		<i>70-130</i>
<i>Surrogate: Dibromofluoromethane</i>	<i>93 %</i>		<i>70-130</i>
<i>Surrogate: Toluene-d8</i>	<i>100 %</i>		<i>70-130</i>



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-4 0-2  
Date Sampled: 11/01/17 09:45  
Percent Solids: 88  
Initial Volume: 24  
Final Volume: 1  
Extraction Method: 3546

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-07  
Sample Matrix: Soil  
Units: mg/kg dry

Prepared: 11/3/17 10:55

**MADEP-EPH Extractable Petroleum Hydrocarbons**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
C9-C18 Aliphatics1	ND (17.7)		MADEP-EPH		1	ZLC	11/07/17 8:18	C7K0079	CK70307
C19-C36 Aliphatics1	ND (17.7)		MADEP-EPH		1	ZLC	11/07/17 8:18	C7K0079	CK70307
C11-C22 Unadjusted Aromatics1	ND (17.7)		EPH8270		1	ZLC	11/08/17 23:04	C7K0136	CK70307
C11-C22 Aromatics1,2	ND (17.7)		EPH8270			ZLC	11/08/17 23:04		[CALC]
2-Methylnaphthalene	ND (0.24)		EPH8270		1	ZLC	11/08/17 23:04	C7K0136	CK70307
Acenaphthene	ND (0.47)		EPH8270		1	ZLC	11/08/17 23:04	C7K0136	CK70307
Naphthalene	ND (0.47)		EPH8270		1	ZLC	11/08/17 23:04	C7K0136	CK70307
Phenanthrene	ND (0.47)		EPH8270		1	ZLC	11/08/17 23:04	C7K0136	CK70307
Acenaphthylene	ND (0.24)		EPH8270		1	ZLC	11/08/17 23:04	C7K0136	CK70307
Anthracene	ND (0.47)		EPH8270		1	ZLC	11/08/17 23:04	C7K0136	CK70307
Benzo(a)anthracene	ND (0.47)		EPH8270		1	ZLC	11/08/17 23:04	C7K0136	CK70307
Benzo(a)pyrene	ND (0.47)		EPH8270		1	ZLC	11/08/17 23:04	C7K0136	CK70307
Benzo(b)fluoranthene	ND (0.47)		EPH8270		1	ZLC	11/08/17 23:04	C7K0136	CK70307
Benzo(g,h,i)perylene	ND (0.47)		EPH8270		1	ZLC	11/08/17 23:04	C7K0136	CK70307
Benzo(k)fluoranthene	ND (0.47)		EPH8270		1	ZLC	11/08/17 23:04	C7K0136	CK70307
Chrysene	ND (0.47)		EPH8270		1	ZLC	11/08/17 23:04	C7K0136	CK70307
Dibenzo(a,h)Anthracene	ND (0.24)		EPH8270		1	ZLC	11/08/17 23:04	C7K0136	CK70307
Fluoranthene	ND (0.47)		EPH8270		1	ZLC	11/08/17 23:04	C7K0136	CK70307
Fluorene	ND (0.47)		EPH8270		1	ZLC	11/08/17 23:04	C7K0136	CK70307
Indeno(1,2,3-cd)Pyrene	ND (0.47)		EPH8270		1	ZLC	11/08/17 23:04	C7K0136	CK70307
Pyrene	ND (0.47)		EPH8270		1	ZLC	11/08/17 23:04	C7K0136	CK70307

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1-Chlorooctadecane</i>	65 %		40-140
<i>Surrogate: 2-Bromonaphthalene</i>	72 %		40-140
<i>Surrogate: 2-Fluorobiphenyl</i>	87 %		40-140
<i>Surrogate: O-Terphenyl</i>	67 %		40-140



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-4 0-2  
Date Sampled: 11/01/17 09:45  
Percent Solids: 88  
Initial Volume: 15.2  
Final Volume: 15  
Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-07  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**MADEP-VPH Volatile Petroleum Hydrocarbon**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
C9-C10 Aromatics	ND (12.5)		MADEP-VPH		1	11/03/17 18:21	C7K0051	CK70319
C5-C8 Aliphatics 1,2	ND (12.5)		MADEP-VPH		1	11/03/17 18:21		[CALC]
C9-C12 Aliphatics 2,3	ND (12.5)		MADEP-VPH		1	11/03/17 18:21		[CALC]
Benzene	ND (0.25)		MADEP-VPH		1	11/03/17 18:21	C7K0051	CK70319
Ethylbenzene	ND (0.25)		MADEP-VPH		1	11/03/17 18:21	C7K0051	CK70319
Methyl tert-Butyl Ether	ND (0.06)		MADEP-VPH		1	11/03/17 18:21	C7K0051	CK70319
Naphthalene	ND (0.25)		MADEP-VPH		1	11/03/17 18:21	C7K0051	CK70319
Toluene	ND (0.25)		MADEP-VPH		1	11/03/17 18:21	C7K0051	CK70319
Xylene O	ND (0.25)		MADEP-VPH		1	11/03/17 18:21	C7K0051	CK70319
Xylene P,M	ND (0.50)		MADEP-VPH		1	11/03/17 18:21	C7K0051	CK70319
<b>1:1 Methanol/Soil Ratio %D</b>	<b>1 (N/A)</b>		MADEP-VPH			11/03/17 7:40		CK70319
<b>Preservative:</b>	<b>MeOH - covered</b>		MADEP-VPH					CK70319

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 2,5-Dibromotoluene - FID</i>	<i>99 %</i>		<i>70-130</i>
<i>Surrogate: 2,5-Dibromotoluene - PID</i>	<i>96 %</i>		<i>70-130</i>
<i>Surrogate: Trifluorotoluene - FID</i>	<i>108 %</i>		<i>70-130</i>
<i>Surrogate: Trifluorotoluene - PID</i>	<i>109 %</i>		<i>70-130</i>





*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: DUP  
Date Sampled: 11/01/17 00:00  
Percent Solids: 85

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-08  
Sample Matrix: Soil  
Units: mg/kg dry

Extraction Method: 3050B

**Total Metals**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Antimony	ND (0.57)		6020A		20	NAR	11/07/17 18:24	2.07	100	CK70328
Arsenic	ND (2.86)		6010C		1	BJV	11/06/17 17:54	2.07	100	CK70328
<b>Barium</b>	<b>7.47</b> (2.86)		6010C		1	BJV	11/06/17 17:54	2.07	100	CK70328
<b>Beryllium</b>	<b>0.15</b> (0.13)		6010C		1	BJV	11/06/17 17:54	2.07	100	CK70328
Cadmium	ND (0.57)		6010C		1	BJV	11/06/17 17:54	2.07	100	CK70328
<b>Chromium</b>	<b>6.95</b> (1.14)		6010C		1	BJV	11/06/17 17:54	2.07	100	CK70328
Lead	ND (5.71)		6010C		1	BJV	11/06/17 17:54	2.07	100	CK70328
Mercury	ND (0.030)		7471B		1	MJV	11/06/17 14:21	0.78	40	CK70348
<b>Nickel</b>	<b>6.25</b> (2.86)		6010C		1	BJV	11/06/17 17:54	2.07	100	CK70328
Selenium	ND (0.57)		6020A		20	NAR	11/07/17 18:24	2.07	100	CK70328
Silver	ND (0.57)		6010C		1	BJV	11/06/17 17:54	2.07	100	CK70328
Thallium	ND (0.57)		6020A		20	NAR	11/07/17 18:24	2.07	100	CK70328
<b>Vanadium</b>	<b>9.65</b> (1.14)		6010C		1	BJV	11/06/17 17:54	2.07	100	CK70328
<b>Zinc</b>	<b>19.7</b> (2.86)		6010C		1	BJV	11/06/17 17:54	2.07	100	CK70328





*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: DUP  
Date Sampled: 11/01/17 00:00  
Percent Solids: 85  
Initial Volume: 6.3  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-08  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1,1,2-Tetrachloroethane	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
1,1,1-Trichloroethane	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
1,1,2,2-Tetrachloroethane	ND (0.0019)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
1,1,2-Trichloroethane	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
1,1-Dichloroethane	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
1,1-Dichloroethene	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
1,1-Dichloropropene	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
1,2,3-Trichlorobenzene	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
1,2,3-Trichloropropane	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
1,2,4-Trichlorobenzene	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
1,2,4-Trimethylbenzene	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
1,2-Dibromo-3-Chloropropane	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
1,2-Dibromoethane	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
1,2-Dichlorobenzene	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
1,2-Dichloroethane	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
1,2-Dichloropropane	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
1,3,5-Trimethylbenzene	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
1,3-Dichlorobenzene	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
1,3-Dichloropropane	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
1,4-Dichlorobenzene	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
1,4-Dioxane	ND (0.0939)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
2,2-Dichloropropane	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
2-Butanone	ND (0.0094)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
2-Chlorotoluene	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
2-Hexanone	ND (0.0094)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
4-Chlorotoluene	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
4-Isopropyltoluene	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
4-Methyl-2-Pentanone	ND (0.0094)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
<b>Acetone</b>	<b>0.0133</b> (0.0094)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
Benzene	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
Bromobenzene	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
Bromochloromethane	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: DUP  
Date Sampled: 11/01/17 00:00  
Percent Solids: 85  
Initial Volume: 6.3  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-08  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Bromodichloromethane	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
Bromoform	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
Bromomethane	ND (0.0094)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
Carbon Disulfide	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
Carbon Tetrachloride	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
Chlorobenzene	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
Chloroethane	ND (0.0094)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
Chloroform	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
Chloromethane	ND (0.0094)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
cis-1,2-Dichloroethene	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
cis-1,3-Dichloropropene	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
Dibromochloromethane	ND (0.0019)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
Dibromomethane	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
Dichlorodifluoromethane	ND (0.0094)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
Diethyl Ether	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
Di-isopropyl ether	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
Ethyl tertiary-butyl ether	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
Ethylbenzene	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
Hexachlorobutadiene	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
Isopropylbenzene	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
Methyl tert-Butyl Ether	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
Methylene Chloride	ND (0.0094)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
Naphthalene	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
n-Butylbenzene	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
n-Propylbenzene	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
sec-Butylbenzene	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
Styrene	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
tert-Butylbenzene	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
Tertiary-amyl methyl ether	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
Tetrachloroethene	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
Tetrahydrofuran	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
Toluene	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: DUP  
Date Sampled: 11/01/17 00:00  
Percent Solids: 85  
Initial Volume: 6.3  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-08  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
trans-1,2-Dichloroethene	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
trans-1,3-Dichloropropene	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
Trichloroethene	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
Trichlorofluoromethane	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
Vinyl Chloride	ND (0.0094)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
Xylene O	ND (0.0047)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
Xylene P,M	ND (0.0094)		8260B Low		1	11/05/17 0:19	C7K0077	CK70401
Xylenes (Total)	ND (0.0094)		8260B Low		1	11/05/17 0:19		[CALC]

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>110 %</i>		<i>70-130</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>97 %</i>		<i>70-130</i>
<i>Surrogate: Dibromofluoromethane</i>	<i>97 %</i>		<i>70-130</i>
<i>Surrogate: Toluene-d8</i>	<i>99 %</i>		<i>70-130</i>



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: DUP  
Date Sampled: 11/01/17 00:00  
Percent Solids: 85  
Initial Volume: 25.7  
Final Volume: 1  
Extraction Method: 3546

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-08  
Sample Matrix: Soil  
Units: mg/kg dry

Prepared: 11/3/17 10:55

**MADEP-EPH Extractable Petroleum Hydrocarbons**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
C9-C18 Aliphatics1	ND (17.3)		MADEP-EPH		1	ZLC	11/07/17 9:02	C7K0079	CK70307
C19-C36 Aliphatics1	ND (17.3)		MADEP-EPH		1	ZLC	11/07/17 9:02	C7K0079	CK70307
C11-C22 Unadjusted Aromatics1	ND (17.3)		EPH8270		1	ZLC	11/08/17 23:40	C7K0136	CK70307
C11-C22 Aromatics1,2	ND (17.3)		EPH8270			ZLC	11/08/17 23:40		[CALC]
2-Methylnaphthalene	ND (0.23)		EPH8270		1	ZLC	11/08/17 23:40	C7K0136	CK70307
Acenaphthene	ND (0.46)		EPH8270		1	ZLC	11/08/17 23:40	C7K0136	CK70307
Naphthalene	ND (0.46)		EPH8270		1	ZLC	11/08/17 23:40	C7K0136	CK70307
Phenanthrene	ND (0.46)		EPH8270		1	ZLC	11/08/17 23:40	C7K0136	CK70307
Acenaphthylene	ND (0.23)		EPH8270		1	ZLC	11/08/17 23:40	C7K0136	CK70307
Anthracene	ND (0.46)		EPH8270		1	ZLC	11/08/17 23:40	C7K0136	CK70307
Benzo(a)anthracene	ND (0.46)		EPH8270		1	ZLC	11/08/17 23:40	C7K0136	CK70307
Benzo(a)pyrene	ND (0.46)		EPH8270		1	ZLC	11/08/17 23:40	C7K0136	CK70307
Benzo(b)fluoranthene	ND (0.46)		EPH8270		1	ZLC	11/08/17 23:40	C7K0136	CK70307
Benzo(g,h,i)perylene	ND (0.46)		EPH8270		1	ZLC	11/08/17 23:40	C7K0136	CK70307
Benzo(k)fluoranthene	ND (0.46)		EPH8270		1	ZLC	11/08/17 23:40	C7K0136	CK70307
Chrysene	ND (0.46)		EPH8270		1	ZLC	11/08/17 23:40	C7K0136	CK70307
Dibenzo(a,h)Anthracene	ND (0.23)		EPH8270		1	ZLC	11/08/17 23:40	C7K0136	CK70307
Fluoranthene	ND (0.46)		EPH8270		1	ZLC	11/08/17 23:40	C7K0136	CK70307
Fluorene	ND (0.46)		EPH8270		1	ZLC	11/08/17 23:40	C7K0136	CK70307
Indeno(1,2,3-cd)Pyrene	ND (0.46)		EPH8270		1	ZLC	11/08/17 23:40	C7K0136	CK70307
Pyrene	ND (0.46)		EPH8270		1	ZLC	11/08/17 23:40	C7K0136	CK70307

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1-Chlorooctadecane</i>	75 %		40-140
<i>Surrogate: 2-Bromonaphthalene</i>	83 %		40-140
<i>Surrogate: 2-Fluorobiphenyl</i>	97 %		40-140
<i>Surrogate: O-Terphenyl</i>	77 %		40-140



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: DUP  
Date Sampled: 11/01/17 00:00  
Percent Solids: 85  
Initial Volume: 4.4  
Final Volume: 15  
Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-08  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**MADEP-VPH Volatile Petroleum Hydrocarbon**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
C9-C10 Aromatics	ND (42.1)		MADEP-VPH		1	11/03/17 18:54	C7K0051	CK70319
C5-C8 Aliphatics 1,2	ND (42.1)		MADEP-VPH		1	11/03/17 18:54		[CALC]
C9-C12 Aliphatics 2,3	ND (42.1)		MADEP-VPH		1	11/03/17 18:54		[CALC]
Benzene	ND (0.84)		MADEP-VPH		1	11/03/17 18:54	C7K0051	CK70319
Ethylbenzene	ND (0.84)		MADEP-VPH		1	11/03/17 18:54	C7K0051	CK70319
Methyl tert-Butyl Ether	ND (0.21)		MADEP-VPH		1	11/03/17 18:54	C7K0051	CK70319
Naphthalene	ND (0.84)		MADEP-VPH		1	11/03/17 18:54	C7K0051	CK70319
Toluene	ND (0.84)		MADEP-VPH		1	11/03/17 18:54	C7K0051	CK70319
Xylene O	ND (0.84)		MADEP-VPH		1	11/03/17 18:54	C7K0051	CK70319
Xylene P,M	ND (1.69)		MADEP-VPH		1	11/03/17 18:54	C7K0051	CK70319
<b>1:1 Methanol/Soil Ratio %D</b>	<b>71 (N/A)</b>		MADEP-VPH			11/03/17 7:40		CK70319
<b>Preservative:</b>	<b>MeOH - covered</b>		MADEP-VPH					CK70319

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 2,5-Dibromotoluene - FID</i>	<i>101 %</i>		<i>70-130</i>
<i>Surrogate: 2,5-Dibromotoluene - PID</i>	<i>98 %</i>		<i>70-130</i>
<i>Surrogate: Trifluorotoluene - FID</i>	<i>108 %</i>		<i>70-130</i>
<i>Surrogate: Trifluorotoluene - PID</i>	<i>108 %</i>		<i>70-130</i>



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: WSE-1 3-6  
Date Sampled: 11/02/17 08:00  
Percent Solids: 88

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-09  
Sample Matrix: Soil  
Units: mg/kg dry

Extraction Method: 3050B

**Total Metals**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Antimony	ND (0.57)		6020A		20	NAR	11/07/17 18:31	2	100	CK70328
Arsenic	7.25 (2.84)		6010C		1	BJV	11/06/17 17:59	2	100	CK70328
Barium	74.7 (2.84)		6010C		1	BJV	11/06/17 17:59	2	100	CK70328
Beryllium	0.34 (0.12)		6010C		1	BJV	11/06/17 17:59	2	100	CK70328
Cadmium	0.63 (0.57)		6010C		1	BJV	11/06/17 17:59	2	100	CK70328
Chromium	12.2 (1.14)		6010C		1	BJV	11/06/17 17:59	2	100	CK70328
Lead	194 (5.68)		6010C		1	BJV	11/06/17 17:59	2	100	CK70328
Mercury	0.203 (0.032)		7471B		1	MJV	11/06/17 14:23	0.71	40	CK70348
Nickel	11.4 (2.84)		6010C		1	BJV	11/06/17 17:59	2	100	CK70328
Selenium	ND (0.57)		6020A		20	NAR	11/07/17 18:31	2	100	CK70328
Silver	ND (0.57)		6010C		1	BJV	11/06/17 17:59	2	100	CK70328
Thallium	ND (0.57)		6020A		20	NAR	11/07/17 18:31	2	100	CK70328
Vanadium	16.2 (1.14)		6010C		1	BJV	11/06/17 17:59	2	100	CK70328
Zinc	149 (2.84)		6010C		1	BJV	11/06/17 17:59	2	100	CK70328



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: WSE-1 3-6  
Date Sampled: 11/02/17 08:00  
Percent Solids: 88  
Initial Volume: 4.7  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-09  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1,1,2-Tetrachloroethane	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
1,1,1-Trichloroethane	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
1,1,2,2-Tetrachloroethane	ND (0.0024)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
1,1,2-Trichloroethane	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
1,1-Dichloroethane	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
1,1-Dichloroethene	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
1,1-Dichloropropene	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
1,2,3-Trichlorobenzene	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
1,2,3-Trichloropropane	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
1,2,4-Trichlorobenzene	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
1,2,4-Trimethylbenzene	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
1,2-Dibromo-3-Chloropropane	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
1,2-Dibromoethane	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
1,2-Dichlorobenzene	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
1,2-Dichloroethane	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
1,2-Dichloropropane	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
1,3,5-Trimethylbenzene	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
1,3-Dichlorobenzene	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
1,3-Dichloropropane	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
1,4-Dichlorobenzene	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
1,4-Dioxane	ND (0.121)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
2,2-Dichloropropane	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
2-Butanone	ND (0.0121)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
2-Chlorotoluene	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
2-Hexanone	ND (0.0121)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
4-Chlorotoluene	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
4-Isopropyltoluene	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
4-Methyl-2-Pentanone	ND (0.0121)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
Acetone	ND (0.0121)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
Benzene	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
Bromobenzene	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
Bromochloromethane	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401





*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: WSE-1 3-6  
Date Sampled: 11/02/17 08:00  
Percent Solids: 88  
Initial Volume: 4.7  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-09  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Bromodichloromethane	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
Bromoform	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
Bromomethane	ND (0.0121)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
Carbon Disulfide	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
Carbon Tetrachloride	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
Chlorobenzene	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
Chloroethane	ND (0.0121)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
Chloroform	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
Chloromethane	ND (0.0121)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
cis-1,2-Dichloroethene	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
cis-1,3-Dichloropropene	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
Dibromochloromethane	ND (0.0024)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
Dibromomethane	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
Dichlorodifluoromethane	ND (0.0121)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
Diethyl Ether	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
Di-isopropyl ether	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
Ethyl tertiary-butyl ether	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
Ethylbenzene	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
Hexachlorobutadiene	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
Isopropylbenzene	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
Methyl tert-Butyl Ether	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
Methylene Chloride	ND (0.0121)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
<b>Naphthalene</b>	<b>0.0126 (0.0060)</b>		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
n-Butylbenzene	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
n-Propylbenzene	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
sec-Butylbenzene	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
Styrene	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
tert-Butylbenzene	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
Tertiary-amyl methyl ether	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
Tetrachloroethene	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
Tetrahydrofuran	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
Toluene	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401





*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: WSE-1 3-6  
Date Sampled: 11/02/17 08:00  
Percent Solids: 88  
Initial Volume: 4.7  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-09  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
trans-1,2-Dichloroethene	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
trans-1,3-Dichloropropene	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
Trichloroethene	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
Trichlorofluoromethane	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
Vinyl Chloride	ND (0.0121)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
Xylene O	ND (0.0060)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
Xylene P,M	ND (0.0121)		8260B Low		1	11/05/17 0:45	C7K0077	CK70401
Xylenes (Total)	ND (0.0121)		8260B Low		1	11/05/17 0:45		[CALC]

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>109 %</i>		<i>70-130</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>100 %</i>		<i>70-130</i>
<i>Surrogate: Dibromofluoromethane</i>	<i>95 %</i>		<i>70-130</i>
<i>Surrogate: Toluene-d8</i>	<i>99 %</i>		<i>70-130</i>



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: WSE-1 3-6  
Date Sampled: 11/02/17 08:00  
Percent Solids: 88  
Initial Volume: 24.9  
Final Volume: 3  
Extraction Method: 3546

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-09  
Sample Matrix: Soil  
Units: mg/kg dry  
  
Prepared: 11/3/17 10:55

**MADEP-EPH Extractable Petroleum Hydrocarbons**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
C9-C18 Aliphatics1	ND (51.3)		MADEP-EPH		1	ZLC	11/07/17 9:50	C7K0079	CK70307
<b>C19-C36 Aliphatics1</b>	<b>106</b> (51.3)		MADEP-EPH		1	ZLC	11/07/17 9:50	C7K0079	CK70307
<b>C11-C22 Unadjusted Aromatics1</b>	<b>397</b> (51.3)		EPH8270		1	ZLC	11/09/17 0:17	C7K0136	CK70307
<b>C11-C22 Aromatics1,2</b>	<b>325</b> (51.3)		EPH8270			ZLC	11/09/17 0:17		[CALC]
2-Methylnaphthalene	ND (0.68)		EPH8270		1	ZLC	11/09/17 0:17	C7K0136	CK70307
<b>Acenaphthene</b>	<b>1.42</b> (1.37)		EPH8270		1	ZLC	11/09/17 0:17	C7K0136	CK70307
Naphthalene	ND (1.37)		EPH8270		1	ZLC	11/09/17 0:17	C7K0136	CK70307
<b>Phenanthrene</b>	<b>12.3</b> (1.37)		EPH8270		1	ZLC	11/09/17 0:17	C7K0136	CK70307
Acenaphthylene	ND (0.68)		EPH8270		1	ZLC	11/09/17 0:17	C7K0136	CK70307
<b>Anthracene</b>	<b>3.18</b> (1.37)		EPH8270		1	ZLC	11/09/17 0:17	C7K0136	CK70307
<b>Benzo(a)anthracene</b>	<b>6.62</b> (1.37)		EPH8270		1	ZLC	11/09/17 0:17	C7K0136	CK70307
<b>Benzo(a)pyrene</b>	<b>4.60</b> (1.37)		EPH8270		1	ZLC	11/09/17 0:17	C7K0136	CK70307
<b>Benzo(b)fluoranthene</b>	<b>6.07</b> (1.37)		EPH8270		1	ZLC	11/09/17 0:17	C7K0136	CK70307
Benzo(g,h,i)perylene	ND (1.37)		EPH8270		1	ZLC	11/09/17 0:17	C7K0136	CK70307
<b>Benzo(k)fluoranthene</b>	<b>2.13</b> (1.37)		EPH8270		1	ZLC	11/09/17 0:17	C7K0136	CK70307
<b>Chrysene</b>	<b>6.61</b> (1.37)		EPH8270		1	ZLC	11/09/17 0:17	C7K0136	CK70307
Dibenzo(a,h)Anthracene	ND (0.68)		EPH8270		1	ZLC	11/09/17 0:17	C7K0136	CK70307
<b>Fluoranthene</b>	<b>13.1</b> (1.37)		EPH8270		1	ZLC	11/09/17 0:17	C7K0136	CK70307
<b>Fluorene</b>	<b>1.45</b> (1.37)		EPH8270		1	ZLC	11/09/17 0:17	C7K0136	CK70307
<b>Indeno(1,2,3-cd)Pyrene</b>	<b>1.52</b> (1.37)		EPH8270		1	ZLC	11/09/17 0:17	C7K0136	CK70307
<b>Pyrene</b>	<b>13.4</b> (1.37)		EPH8270		1	ZLC	11/09/17 0:17	C7K0136	CK70307

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1-Chlorooctadecane</i>	66 %		40-140
<i>Surrogate: 2-Bromonaphthalene</i>	74 %		40-140
<i>Surrogate: 2-Fluorobiphenyl</i>	85 %		40-140
<i>Surrogate: O-Terphenyl</i>	62 %		40-140



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
 Client Project ID: Conway Park  
 Client Sample ID: WSE-1 3-6  
 Date Sampled: 11/02/17 08:00  
 Percent Solids: 88  
 Initial Volume: 14.4  
 Final Volume: 15  
 Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
 ESS Laboratory Sample ID: 1711066-09  
 Sample Matrix: Soil  
 Units: mg/kg dry  
 Analyst: MEK

**MADEP-VPH Volatile Petroleum Hydrocarbon**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
C9-C10 Aromatics	ND (13.2)		MADEP-VPH		1	11/03/17 19:27	C7K0051	CK70319
C5-C8 Aliphatics 1,2	ND (13.2)		MADEP-VPH		1	11/03/17 19:27		[CALC]
C9-C12 Aliphatics 2,3	ND (13.2)		MADEP-VPH		1	11/03/17 19:27		[CALC]
Benzene	ND (0.26)		MADEP-VPH		1	11/03/17 19:27	C7K0051	CK70319
Ethylbenzene	ND (0.26)		MADEP-VPH		1	11/03/17 19:27	C7K0051	CK70319
Methyl tert-Butyl Ether	ND (0.07)		MADEP-VPH		1	11/03/17 19:27	C7K0051	CK70319
<b>Naphthalene</b>	<b>0.43</b> (0.26)		MADEP-VPH		1	11/03/17 19:27	C7K0051	CK70319
Toluene	ND (0.26)		MADEP-VPH		1	11/03/17 19:27	C7K0051	CK70319
Xylene O	ND (0.26)		MADEP-VPH		1	11/03/17 19:27	C7K0051	CK70319
Xylene P,M	ND (0.53)		MADEP-VPH		1	11/03/17 19:27	C7K0051	CK70319
<b>1:1 Methanol/Soil Ratio %D</b>	<b>4</b> (N/A)		MADEP-VPH			11/03/17 7:40		CK70319
<b>Preservative:</b>		<b>MeOH - covered</b>	MADEP-VPH					CK70319

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 2,5-Dibromotoluene - FID</i>	<i>102 %</i>		<i>70-130</i>
<i>Surrogate: 2,5-Dibromotoluene - PID</i>	<i>99 %</i>		<i>70-130</i>
<i>Surrogate: Trifluorotoluene - FID</i>	<i>108 %</i>		<i>70-130</i>
<i>Surrogate: Trifluorotoluene - PID</i>	<i>109 %</i>		<i>70-130</i>



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: WSE-2 0-3  
Date Sampled: 11/02/17 09:00  
Percent Solids: 87

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-10  
Sample Matrix: Soil  
Units: mg/kg dry

Extraction Method: 3050B

**Total Metals**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Antimony	ND (0.57)		6020A		20	NAR	11/07/17 18:37	2.01	100	CK70328
Arsenic	<b>4.91</b> (2.86)		6010C		1	BJV	11/06/17 18:15	2.01	100	CK70328
Barium	<b>30.9</b> (2.86)		6010C		1	BJV	11/06/17 18:15	2.01	100	CK70328
Beryllium	<b>0.33</b> (0.13)		6010C		1	BJV	11/06/17 18:15	2.01	100	CK70328
Cadmium	ND (0.57)		6010C		1	BJV	11/06/17 18:15	2.01	100	CK70328
Chromium	<b>16.6</b> (1.14)		6010C		1	BJV	11/06/17 18:15	2.01	100	CK70328
Lead	<b>53.6</b> (5.72)		6010C		1	BJV	11/06/17 18:15	2.01	100	CK70328
Mercury	<b>0.234</b> (0.037)		7471B		1	MJV	11/06/17 14:25	0.62	40	CK70348
Nickel	<b>13.7</b> (2.86)		6010C		1	BJV	11/06/17 18:15	2.01	100	CK70328
Selenium	ND (0.57)		6020A		20	NAR	11/07/17 18:37	2.01	100	CK70328
Silver	ND (0.57)		6010C		1	BJV	11/06/17 18:15	2.01	100	CK70328
Thallium	ND (0.57)		6020A		20	NAR	11/07/17 18:37	2.01	100	CK70328
Vanadium	<b>15.1</b> (1.14)		6010C		1	BJV	11/06/17 18:15	2.01	100	CK70328
Zinc	<b>68.9</b> (2.86)		6010C		1	BJV	11/06/17 18:15	2.01	100	CK70328



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: WSE-2 0-3  
Date Sampled: 11/02/17 09:00  
Percent Solids: 87  
Initial Volume: 7.3  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-10  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1,1,2-Tetrachloroethane	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
1,1,1-Trichloroethane	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
1,1,2,2-Tetrachloroethane	ND (0.0016)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
1,1,2-Trichloroethane	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
1,1-Dichloroethane	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
1,1-Dichloroethene	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
1,1-Dichloropropene	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
1,2,3-Trichlorobenzene	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
1,2,3-Trichloropropane	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
1,2,4-Trichlorobenzene	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
1,2,4-Trimethylbenzene	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
1,2-Dibromo-3-Chloropropane	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
1,2-Dibromoethane	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
1,2-Dichlorobenzene	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
1,2-Dichloroethane	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
1,2-Dichloropropane	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
1,3,5-Trimethylbenzene	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
1,3-Dichlorobenzene	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
1,3-Dichloropropane	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
1,4-Dichlorobenzene	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
1,4-Dioxane	ND (0.0787)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
2,2-Dichloropropane	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
2-Butanone	ND (0.0079)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
2-Chlorotoluene	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
2-Hexanone	ND (0.0079)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
4-Chlorotoluene	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
4-Isopropyltoluene	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
4-Methyl-2-Pentanone	ND (0.0079)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
Acetone	ND (0.0079)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
Benzene	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
Bromobenzene	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
Bromochloromethane	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: WSE-2 0-3  
Date Sampled: 11/02/17 09:00  
Percent Solids: 87  
Initial Volume: 7.3  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-10  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Bromodichloromethane	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
Bromoform	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
Bromomethane	ND (0.0079)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
Carbon Disulfide	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
Carbon Tetrachloride	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
Chlorobenzene	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
Chloroethane	ND (0.0079)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
Chloroform	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
Chloromethane	ND (0.0079)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
cis-1,2-Dichloroethene	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
cis-1,3-Dichloropropene	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
Dibromochloromethane	ND (0.0016)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
Dibromomethane	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
Dichlorodifluoromethane	ND (0.0079)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
Diethyl Ether	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
Di-isopropyl ether	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
Ethyl tertiary-butyl ether	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
Ethylbenzene	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
Hexachlorobutadiene	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
Isopropylbenzene	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
Methyl tert-Butyl Ether	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
Methylene Chloride	ND (0.0079)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
Naphthalene	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
n-Butylbenzene	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
n-Propylbenzene	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
sec-Butylbenzene	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
Styrene	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
tert-Butylbenzene	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
Tertiary-amyl methyl ether	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
Tetrachloroethene	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
Tetrahydrofuran	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
Toluene	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: WSE-2 0-3  
Date Sampled: 11/02/17 09:00  
Percent Solids: 87  
Initial Volume: 7.3  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-10  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
trans-1,2-Dichloroethene	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
trans-1,3-Dichloropropene	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
Trichloroethene	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
Trichlorofluoromethane	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
Vinyl Chloride	ND (0.0079)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
Xylene O	ND (0.0039)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
Xylene P,M	ND (0.0079)		8260B Low		1	11/05/17 1:10	C7K0077	CK70401
Xylenes (Total)	ND (0.0079)		8260B Low		1	11/05/17 1:10		[CALC]

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>108 %</i>		<i>70-130</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>106 %</i>		<i>70-130</i>
<i>Surrogate: Dibromofluoromethane</i>	<i>95 %</i>		<i>70-130</i>
<i>Surrogate: Toluene-d8</i>	<i>93 %</i>		<i>70-130</i>





*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: WSE-2 0-3  
Date Sampled: 11/02/17 09:00  
Percent Solids: 87  
Initial Volume: 25.1  
Final Volume: 2  
Extraction Method: 3546

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-10  
Sample Matrix: Soil  
Units: mg/kg dry

Prepared: 11/3/17 10:55

**MADEP-EPH Extractable Petroleum Hydrocarbons**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
C9-C18 Aliphatics1	ND (34.3)		MADEP-EPH		1	ZLC	11/07/17 10:37	C7K0079	CK70307
C19-C36 Aliphatics1	ND (34.3)		MADEP-EPH		1	ZLC	11/07/17 10:37	C7K0079	CK70307
<b>C11-C22 Unadjusted Aromatics1</b>	<b>214</b> (34.3)		EPH8270		1	ZLC	11/09/17 0:54	C7K0136	CK70307
<b>C11-C22 Aromatics1,2</b>	<b>187</b> (34.3)		EPH8270			ZLC	11/09/17 0:54		[CALC]
2-Methylnaphthalene	ND (0.46)		EPH8270		1	ZLC	11/09/17 0:54	C7K0136	CK70307
Acenaphthene	ND (0.92)		EPH8270		1	ZLC	11/09/17 0:54	C7K0136	CK70307
Naphthalene	ND (0.92)		EPH8270		1	ZLC	11/09/17 0:54	C7K0136	CK70307
<b>Phenanthrene</b>	<b>2.59</b> (0.92)		EPH8270		1	ZLC	11/09/17 0:54	C7K0136	CK70307
<b>Acenaphthylene</b>	<b>0.48</b> (0.46)		EPH8270		1	ZLC	11/09/17 0:54	C7K0136	CK70307
Anthracene	ND (0.92)		EPH8270		1	ZLC	11/09/17 0:54	C7K0136	CK70307
<b>Benzo(a)anthracene</b>	<b>3.66</b> (0.92)		EPH8270		1	ZLC	11/09/17 0:54	C7K0136	CK70307
<b>Benzo(a)pyrene</b>	<b>2.45</b> (0.92)		EPH8270		1	ZLC	11/09/17 0:54	C7K0136	CK70307
<b>Benzo(b)fluoranthene</b>	<b>3.16</b> (0.92)		EPH8270		1	ZLC	11/09/17 0:54	C7K0136	CK70307
Benzo(g,h,i)perylene	ND (0.92)		EPH8270		1	ZLC	11/09/17 0:54	C7K0136	CK70307
<b>Benzo(k)fluoranthene</b>	<b>1.06</b> (0.92)		EPH8270		1	ZLC	11/09/17 0:54	C7K0136	CK70307
<b>Chrysene</b>	<b>3.31</b> (0.92)		EPH8270		1	ZLC	11/09/17 0:54	C7K0136	CK70307
Dibenzo(a,h)Anthracene	ND (0.46)		EPH8270		1	ZLC	11/09/17 0:54	C7K0136	CK70307
<b>Fluoranthene</b>	<b>4.65</b> (0.92)		EPH8270		1	ZLC	11/09/17 0:54	C7K0136	CK70307
Fluorene	ND (0.92)		EPH8270		1	ZLC	11/09/17 0:54	C7K0136	CK70307
Indeno(1,2,3-cd)Pyrene	ND (0.92)		EPH8270		1	ZLC	11/09/17 0:54	C7K0136	CK70307
<b>Pyrene</b>	<b>5.29</b> (0.92)		EPH8270		1	ZLC	11/09/17 0:54	C7K0136	CK70307

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1-Chlorooctadecane</i>	90 %		40-140
<i>Surrogate: 2-Bromonaphthalene</i>	62 %		40-140
<i>Surrogate: 2-Fluorobiphenyl</i>	89 %		40-140
<i>Surrogate: O-Terphenyl</i>	82 %		40-140





*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: WSE-2 0-3  
Date Sampled: 11/02/17 09:00  
Percent Solids: 87  
Initial Volume: 15.2  
Final Volume: 15  
Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-10  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**MADEP-VPH Volatile Petroleum Hydrocarbon**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
C9-C10 Aromatics	ND (12.8)		MADEP-VPH		1	11/03/17 20:00	C7K0051	CK70319
C5-C8 Aliphatics1,2	ND (12.8)		MADEP-VPH		1	11/03/17 20:00		[CALC]
C9-C12 Aliphatics2,3	ND (12.8)		MADEP-VPH		1	11/03/17 20:00		[CALC]
Benzene	ND (0.26)		MADEP-VPH		1	11/03/17 20:00	C7K0051	CK70319
Ethylbenzene	ND (0.26)		MADEP-VPH		1	11/03/17 20:00	C7K0051	CK70319
Methyl tert-Butyl Ether	ND (0.06)		MADEP-VPH		1	11/03/17 20:00	C7K0051	CK70319
Naphthalene	ND (0.26)		MADEP-VPH		1	11/03/17 20:00	C7K0051	CK70319
Toluene	ND (0.26)		MADEP-VPH		1	11/03/17 20:00	C7K0051	CK70319
Xylene O	ND (0.26)		MADEP-VPH		1	11/03/17 20:00	C7K0051	CK70319
Xylene P,M	ND (0.51)		MADEP-VPH		1	11/03/17 20:00	C7K0051	CK70319
<b>1:1 Methanol/Soil Ratio %D</b>	<b>1 (N/A)</b>		MADEP-VPH			11/03/17 7:40		CK70319
<b>Preservative:</b>	<b>MeOH - covered</b>		MADEP-VPH					CK70319

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 2,5-Dibromotoluene - FID</i>	<i>101 %</i>		<i>70-130</i>
<i>Surrogate: 2,5-Dibromotoluene - PID</i>	<i>98 %</i>		<i>70-130</i>
<i>Surrogate: Trifluorotoluene - FID</i>	<i>111 %</i>		<i>70-130</i>
<i>Surrogate: Trifluorotoluene - PID</i>	<i>111 %</i>		<i>70-130</i>



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: WSE-3 6-8  
Date Sampled: 11/02/17 11:00  
Percent Solids: 81

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-11  
Sample Matrix: Soil  
Units: mg/kg dry

Extraction Method: 3050B

**Total Metals**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Antimony	2.07 (0.46)		6020A		20	NAR	11/07/17 18:44	2.7	100	CK70328
Arsenic	6.48 (2.29)		6010C		1	BJV	11/06/17 18:19	2.7	100	CK70328
Barium	100 (2.29)		6010C		1	BJV	11/06/17 18:19	2.7	100	CK70328
Beryllium	0.25 (0.10)		6010C		1	BJV	11/06/17 18:19	2.7	100	CK70328
Cadmium	1.72 (0.46)		6010C		1	BJV	11/06/17 18:19	2.7	100	CK70328
Chromium	17.3 (0.92)		6010C		1	BJV	11/06/17 18:19	2.7	100	CK70328
Lead	683 (4.59)		6010C		1	BJV	11/06/17 18:19	2.7	100	CK70328
Mercury	0.509 (0.041)		7471B		1	MJV	11/06/17 14:27	0.6	40	CK70348
Nickel	36.4 (2.29)		6010C		1	BJV	11/06/17 18:19	2.7	100	CK70328
Selenium	0.79 (0.46)		6020A		20	NAR	11/07/17 18:44	2.7	100	CK70328
Silver	1.00 (0.46)		6010C		1	BJV	11/06/17 18:19	2.7	100	CK70328
Thallium	ND (0.46)		6020A		20	NAR	11/07/17 18:44	2.7	100	CK70328
Vanadium	13.3 (0.92)		6010C		1	BJV	11/06/17 18:19	2.7	100	CK70328
Zinc	1680 (11.5)		6010C		5	BJV	11/07/17 15:09	2.7	100	CK70328



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: WSE-3 6-8  
Date Sampled: 11/02/17 11:00  
Percent Solids: 81  
Initial Volume: 5.5  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-11  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1,1,2-Tetrachloroethane	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
1,1,1-Trichloroethane	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
1,1,2,2-Tetrachloroethane	ND (0.0023)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
1,1,2-Trichloroethane	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
1,1-Dichloroethane	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
1,1-Dichloroethene	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
1,1-Dichloropropene	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
1,2,3-Trichlorobenzene	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
1,2,3-Trichloropropane	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
1,2,4-Trichlorobenzene	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
1,2,4-Trimethylbenzene	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
1,2-Dibromo-3-Chloropropane	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
1,2-Dibromoethane	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
1,2-Dichlorobenzene	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
1,2-Dichloroethane	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
1,2-Dichloropropane	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
1,3,5-Trimethylbenzene	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
1,3-Dichlorobenzene	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
1,3-Dichloropropane	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
1,4-Dichlorobenzene	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
1,4-Dioxane	ND (0.113)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
2,2-Dichloropropane	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
2-Butanone	ND (0.0113)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
2-Chlorotoluene	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
2-Hexanone	ND (0.0113)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
4-Chlorotoluene	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
4-Isopropyltoluene	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
4-Methyl-2-Pentanone	ND (0.0113)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
<b>Acetone</b>	<b>0.0163</b> (0.0113)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
Benzene	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
Bromobenzene	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
Bromochloromethane	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: WSE-3 6-8  
Date Sampled: 11/02/17 11:00  
Percent Solids: 81  
Initial Volume: 5.5  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-11  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Bromodichloromethane	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
Bromoform	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
Bromomethane	ND (0.0113)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
Carbon Disulfide	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
Carbon Tetrachloride	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
Chlorobenzene	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
Chloroethane	ND (0.0113)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
Chloroform	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
Chloromethane	ND (0.0113)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
cis-1,2-Dichloroethene	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
cis-1,3-Dichloropropene	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
Dibromochloromethane	ND (0.0023)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
Dibromomethane	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
Dichlorodifluoromethane	ND (0.0113)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
Diethyl Ether	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
Di-isopropyl ether	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
Ethyl tertiary-butyl ether	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
Ethylbenzene	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
Hexachlorobutadiene	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
Isopropylbenzene	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
Methyl tert-Butyl Ether	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
Methylene Chloride	ND (0.0113)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
Naphthalene	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
n-Butylbenzene	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
n-Propylbenzene	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
sec-Butylbenzene	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
Styrene	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
tert-Butylbenzene	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
Tertiary-amyl methyl ether	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
Tetrachloroethene	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
Tetrahydrofuran	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
Toluene	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
 Client Project ID: Conway Park  
 Client Sample ID: WSE-3 6-8  
 Date Sampled: 11/02/17 11:00  
 Percent Solids: 81  
 Initial Volume: 5.5  
 Final Volume: 10  
 Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
 ESS Laboratory Sample ID: 1711066-11  
 Sample Matrix: Soil  
 Units: mg/kg dry  
 Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
trans-1,2-Dichloroethene	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
trans-1,3-Dichloropropene	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
Trichloroethene	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
Trichlorofluoromethane	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
Vinyl Chloride	ND (0.0113)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
Xylene O	ND (0.0056)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
Xylene P,M	ND (0.0113)		8260B Low		1	11/07/17 18:49	C7K0124	CK70753
Xylenes (Total)	ND (0.0113)		8260B Low		1	11/07/17 18:49		[CALC]

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>	97 %		70-130
<i>Surrogate: 4-Bromofluorobenzene</i>	94 %		70-130
<i>Surrogate: Dibromofluoromethane</i>	96 %		70-130
<i>Surrogate: Toluene-d8</i>	101 %		70-130



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: WSE-3 6-8  
Date Sampled: 11/02/17 11:00  
Percent Solids: 81  
Initial Volume: 24.9  
Final Volume: 2  
Extraction Method: 3546

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-11  
Sample Matrix: Soil  
Units: mg/kg dry

Prepared: 11/3/17 10:55

**MADEP-EPH Extractable Petroleum Hydrocarbons**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
C9-C18 Aliphatics1	ND (37.3)		MADEP-EPH		1	ZLC	11/07/17 11:25	C7K0079	CK70307
<b>C19-C36 Aliphatics1</b>	<b>251</b> (37.3)		MADEP-EPH		1	ZLC	11/07/17 11:25	C7K0079	CK70307
<b>C11-C22 Unadjusted Aromatics1</b>	<b>568</b> (37.3)		EPH8270		1	ZLC	11/09/17 1:30	C7K0136	CK70307
<b>C11-C22 Aromatics1,2</b>	<b>425</b> (37.3)		EPH8270			ZLC	11/09/17 16:47		[CALC]
<b>2-Methylnaphthalene</b>	<b>0.64</b> (0.50)		EPH8270		1	ZLC	11/09/17 1:30	C7K0136	CK70307
<b>Acenaphthene</b>	<b>1.63</b> (0.99)		EPH8270		1	ZLC	11/09/17 1:30	C7K0136	CK70307
Naphthalene	ND (0.99)		EPH8270		1	ZLC	11/09/17 1:30	C7K0136	CK70307
<b>Phenanthrene</b>	<b>24.5</b> (3.98)		EPH8270		4	ZLC	11/09/17 16:47	C7K0136	CK70307
<b>Acenaphthylene</b>	<b>0.84</b> (0.50)		EPH8270		1	ZLC	11/09/17 1:30	C7K0136	CK70307
<b>Anthracene</b>	<b>4.33</b> (0.99)		EPH8270		1	ZLC	11/09/17 1:30	C7K0136	CK70307
<b>Benzo(a)anthracene</b>	<b>12.1</b> (3.98)		EPH8270		4	ZLC	11/09/17 16:47	C7K0136	CK70307
<b>Benzo(a)pyrene</b>	<b>7.37</b> (0.99)		EPH8270		1	ZLC	11/09/17 1:30	C7K0136	CK70307
<b>Benzo(b)fluoranthene</b>	<b>13.0</b> (3.98)		EPH8270		4	ZLC	11/09/17 16:47	C7K0136	CK70307
<b>Benzo(g,h,i)perylene</b>	<b>2.14</b> (0.99)		EPH8270		1	ZLC	11/09/17 1:30	C7K0136	CK70307
<b>Benzo(k)fluoranthene</b>	<b>3.54</b> (0.99)		EPH8270		1	ZLC	11/09/17 1:30	C7K0136	CK70307
<b>Chrysene</b>	<b>12.1</b> (3.98)		EPH8270		4	ZLC	11/09/17 16:47	C7K0136	CK70307
<b>Dibenzo(a,h)Anthracene</b>	<b>0.71</b> (0.50)		EPH8270		1	ZLC	11/09/17 1:30	C7K0136	CK70307
<b>Fluoranthene</b>	<b>28.4</b> (3.98)		EPH8270		4	ZLC	11/09/17 16:47	C7K0136	CK70307
<b>Fluorene</b>	<b>2.44</b> (0.99)		EPH8270		1	ZLC	11/09/17 1:30	C7K0136	CK70307
<b>Indeno(1,2,3-cd)Pyrene</b>	<b>3.01</b> (0.99)		EPH8270		1	ZLC	11/09/17 1:30	C7K0136	CK70307
<b>Pyrene</b>	<b>26.1</b> (3.98)		EPH8270		4	ZLC	11/09/17 16:47	C7K0136	CK70307

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1-Chlorooctadecane</i>	71 %		40-140
<i>Surrogate: 2-Bromonaphthalene</i>	68 %		40-140
<i>Surrogate: 2-Fluorobiphenyl</i>	84 %		40-140
<i>Surrogate: O-Terphenyl</i>	77 %		40-140



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
 Client Project ID: Conway Park  
 Client Sample ID: WSE-3 6-8  
 Date Sampled: 11/02/17 11:00  
 Percent Solids: 81  
 Initial Volume: 17.8  
 Final Volume: 15  
 Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
 ESS Laboratory Sample ID: 1711066-11  
 Sample Matrix: Soil  
 Units: mg/kg dry  
 Analyst: MEK

**MADEP-VPH Volatile Petroleum Hydrocarbon**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
C9-C10 Aromatics	ND (12.8)		MADEP-VPH		1	11/03/17 20:33	C7K0051	CK70319
C5-C8 Aliphatics1,2	ND (12.8)		MADEP-VPH		1	11/03/17 20:33		[CALC]
C9-C12 Aliphatics2,3	ND (12.8)		MADEP-VPH		1	11/03/17 20:33		[CALC]
Benzene	ND (0.26)		MADEP-VPH		1	11/03/17 20:33	C7K0051	CK70319
Ethylbenzene	ND (0.26)		MADEP-VPH		1	11/03/17 20:33	C7K0051	CK70319
Methyl tert-Butyl Ether	ND (0.06)		MADEP-VPH		1	11/03/17 20:33	C7K0051	CK70319
Naphthalene	ND (0.26)		MADEP-VPH		1	11/03/17 20:33	C7K0051	CK70319
Toluene	ND (0.26)		MADEP-VPH		1	11/03/17 20:33	C7K0051	CK70319
Xylene O	ND (0.26)		MADEP-VPH		1	11/03/17 20:33	C7K0051	CK70319
Xylene P,M	ND (0.51)		MADEP-VPH		1	11/03/17 20:33	C7K0051	CK70319
<b>1:1 Methanol/Soil Ratio %D</b>	<b>19 (N/A)</b>		MADEP-VPH			11/03/17 7:40		CK70319
<b>Preservative:</b>	<b>MeOH - covered</b>		MADEP-VPH					CK70319

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 2,5-Dibromotoluene - FID</i>	<i>104 %</i>		<i>70-130</i>
<i>Surrogate: 2,5-Dibromotoluene - PID</i>	<i>102 %</i>		<i>70-130</i>
<i>Surrogate: Trifluorotoluene - FID</i>	<i>113 %</i>		<i>70-130</i>
<i>Surrogate: Trifluorotoluene - PID</i>	<i>113 %</i>		<i>70-130</i>





*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: Disposal Characterization  
Date Sampled: 11/02/17 00:00  
Percent Solids: 80

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-12  
Sample Matrix: Soil  
Units: mg/kg dry

Extraction Method: 3050B

**Total Metals**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Antimony	1.15 (0.60)		6020A		20	NAR	11/07/17 18:51	2.07	100	CK70328
Arsenic	7.11 (3.01)		6010C		1	BJV	11/06/17 18:24	2.07	100	CK70328
Barium	30.2 (3.01)		6010C		1	BJV	11/06/17 18:24	2.07	100	CK70328
Beryllium	0.34 (0.13)		6010C		1	BJV	11/06/17 18:24	2.07	100	CK70328
Cadmium	ND (0.60)		6010C		1	BJV	11/06/17 18:24	2.07	100	CK70328
Chromium	14.1 (1.20)		6010C		1	BJV	11/06/17 18:24	2.07	100	CK70328
Lead	73.8 (6.01)		6010C		1	BJV	11/06/17 18:24	2.07	100	CK70328
Mercury	0.151 (0.032)		7471B		1	MJV	11/06/17 15:03	0.78	40	CK70351
Nickel	10.3 (3.01)		6010C		1	BJV	11/06/17 18:24	2.07	100	CK70328
Selenium	ND (0.60)		6020A		20	NAR	11/07/17 18:51	2.07	100	CK70328
Silver	ND (0.60)		6010C		1	BJV	11/06/17 18:24	2.07	100	CK70328
Thallium	ND (0.60)		6020A		20	NAR	11/07/17 18:51	2.07	100	CK70328
Vanadium	15.6 (1.20)		6010C		1	BJV	11/06/17 18:24	2.07	100	CK70328
Zinc	95.0 (3.01)		6010C		1	BJV	11/06/17 18:24	2.07	100	CK70328





*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: Disposal Characterization  
Date Sampled: 11/02/17 00:00  
Percent Solids: 80  
Initial Volume: 19.4  
Final Volume: 10  
Extraction Method: 3540C

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-12  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: CAD  
Prepared: 11/6/17 16:30

**8082A Polychlorinated Biphenyls (PCB)**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Aroclor 1016	ND (0.06)		8082A		1	11/07/17 21:05		CK70612
Aroclor 1221	ND (0.06)		8082A		1	11/07/17 21:05		CK70612
Aroclor 1232	ND (0.06)		8082A		1	11/07/17 21:05		CK70612
Aroclor 1242	ND (0.06)		8082A		1	11/07/17 21:05		CK70612
Aroclor 1248	ND (0.06)		8082A		1	11/07/17 21:05		CK70612
<b>Aroclor 1254 [2C]</b>	<b>8.7 (0.6)</b>		8082A		10	11/08/17 10:33		CK70612
Aroclor 1260	ND (0.06)		8082A		1	11/07/17 21:05		CK70612
Aroclor 1262	ND (0.06)		8082A		1	11/07/17 21:05		CK70612
Aroclor 1268	ND (0.06)		8082A		1	11/07/17 21:05		CK70612

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: Decachlorobiphenyl</i>	73 %		30-150
<i>Surrogate: Decachlorobiphenyl [2C]</i>	85 %		30-150
<i>Surrogate: Tetrachloro-m-xylene</i>	56 %		30-150
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	59 %		30-150



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: Disposal Characterization  
Date Sampled: 11/02/17 00:00  
Percent Solids: 80  
Initial Volume: 19.8  
Final Volume: 1  
Extraction Method: 3546

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-12  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: SMR  
Prepared: 11/6/17 17:15

**8100M Total Petroleum Hydrocarbons**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Total Petroleum Hydrocarbons	267 (62.9)		8100M		5	11/07/17 13:03	C7K0111	CK70644
		<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				
<i>Surrogate: O-Terphenyl</i>		85 %		40-140				



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: Disposal Characterization  
Date Sampled: 11/02/17 00:00  
Percent Solids: 80  
Initial Volume: 15.1  
Final Volume: 0.5  
Extraction Method: 3546

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-12  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: TJ  
Prepared: 11/6/17 11:33

**8270D Semi-Volatile Organic Compounds**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,2,4-Trichlorobenzene	ND (0.412)		8270D		1	11/07/17 22:40	C7K0104	CK70615
1,2-Dichlorobenzene	ND (0.412)		8270D		1	11/07/17 22:40	C7K0104	CK70615
1,3-Dichlorobenzene	ND (0.412)		8270D		1	11/07/17 22:40	C7K0104	CK70615
1,4-Dichlorobenzene	ND (0.412)		8270D		1	11/07/17 22:40	C7K0104	CK70615
2,4,5-Trichlorophenol	ND (0.412)		8270D		1	11/07/17 22:40	C7K0104	CK70615
2,4,6-Trichlorophenol	ND (0.412)		8270D		1	11/07/17 22:40	C7K0104	CK70615
2,4-Dichlorophenol	ND (0.412)		8270D		1	11/07/17 22:40	C7K0104	CK70615
2,4-Dimethylphenol	ND (0.412)		8270D		1	11/07/17 22:40	C7K0104	CK70615
2,4-Dinitrophenol	ND (2.06)		8270D		1	11/07/17 22:40	C7K0104	CK70615
2,4-Dinitrotoluene	ND (0.412)		8270D		1	11/07/17 22:40	C7K0104	CK70615
2,6-Dinitrotoluene	ND (0.412)		8270D		1	11/07/17 22:40	C7K0104	CK70615
2-Chloronaphthalene	ND (0.412)		8270D		1	11/07/17 22:40	C7K0104	CK70615
2-Chlorophenol	ND (0.412)		8270D		1	11/07/17 22:40	C7K0104	CK70615
2-Methylnaphthalene	ND (0.412)		8270D		1	11/07/17 22:40	C7K0104	CK70615
2-Methylphenol	ND (0.412)		8270D		1	11/07/17 22:40	C7K0104	CK70615
2-Nitrophenol	ND (0.412)		8270D		1	11/07/17 22:40	C7K0104	CK70615
3,3'-Dichlorobenzidine	ND (0.825)		8270D		1	11/07/17 22:40	C7K0104	CK70615
3+4-Methylphenol	ND (0.825)		8270D		1	11/07/17 22:40	C7K0104	CK70615
4-Bromophenyl-phenylether	ND (0.412)		8270D		1	11/07/17 22:40	C7K0104	CK70615
4-Chloroaniline	ND (0.825)		8270D		1	11/07/17 22:40	C7K0104	CK70615
4-Nitrophenol	ND (2.06)		8270D		1	11/07/17 22:40	C7K0104	CK70615
Acenaphthene	ND (0.412)		8270D		1	11/07/17 22:40	C7K0104	CK70615
<b>Acenaphthylene</b>	<b>1.05</b> (0.412)		8270D		1	11/07/17 22:40	C7K0104	CK70615
Acetophenone	ND (0.825)		8270D		1	11/07/17 22:40	C7K0104	CK70615
Aniline	ND (2.06)		8270D		1	11/07/17 22:40	C7K0104	CK70615
<b>Anthracene</b>	<b>2.43</b> (0.412)		8270D		1	11/07/17 22:40	C7K0104	CK70615
Azobenzene	ND (0.412)		8270D		1	11/07/17 22:40	C7K0104	CK70615
<b>Benzo(a)anthracene</b>	<b>8.62</b> (0.412)		8270D		1	11/07/17 22:40	C7K0104	CK70615
<b>Benzo(a)pyrene</b>	<b>7.49</b> (0.206)		8270D		1	11/07/17 22:40	C7K0104	CK70615
<b>Benzo(b)fluoranthene</b>	<b>6.19</b> (4.12)		8270D		10	11/08/17 15:43	C7K0104	CK70615
<b>Benzo(g,h,i)perylene</b>	<b>2.60</b> (0.412)		8270D		1	11/07/17 22:40	C7K0104	CK70615
<b>Benzo(k)fluoranthene</b>	<b>6.37</b> (4.12)		8270D		10	11/08/17 15:43	C7K0104	CK70615



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: Disposal Characterization  
Date Sampled: 11/02/17 00:00  
Percent Solids: 80  
Initial Volume: 15.1  
Final Volume: 0.5  
Extraction Method: 3546

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-12  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: TJ  
Prepared: 11/6/17 11:33

**8270D Semi-Volatile Organic Compounds**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
bis(2-Chloroethoxy)methane	ND (0.412)		8270D		1	11/07/17 22:40	C7K0104	CK70615
bis(2-Chloroethyl)ether	ND (0.412)		8270D		1	11/07/17 22:40	C7K0104	CK70615
bis(2-chloroisopropyl)Ether	ND (0.412)		8270D		1	11/07/17 22:40	C7K0104	CK70615
bis(2-Ethylhexyl)phthalate	ND (0.412)		8270D		1	11/07/17 22:40	C7K0104	CK70615
Butylbenzylphthalate	ND (0.412)		8270D		1	11/07/17 22:40	C7K0104	CK70615
<b>Chrysene</b>	<b>7.71</b> (0.206)		8270D		1	11/07/17 22:40	C7K0104	CK70615
<b>Dibenzo(a,h)Anthracene</b>	<b>1.62</b> (0.206)		8270D		1	11/07/17 22:40	C7K0104	CK70615
<b>Dibenzofuran</b>	<b>0.612</b> (0.412)		8270D		1	11/07/17 22:40	C7K0104	CK70615
Diethylphthalate	ND (0.412)		8270D		1	11/07/17 22:40	C7K0104	CK70615
Dimethylphthalate	ND (0.412)		8270D		1	11/07/17 22:40	C7K0104	CK70615
Di-n-butylphthalate	ND (0.412)		8270D		1	11/07/17 22:40	C7K0104	CK70615
Di-n-octylphthalate	ND (0.412)		8270D		1	11/07/17 22:40	C7K0104	CK70615
<b>Fluoranthene</b>	<b>13.4</b> (4.12)		8270D		10	11/08/17 15:43	C7K0104	CK70615
<b>Fluorene</b>	<b>0.862</b> (0.412)		8270D		1	11/07/17 22:40	C7K0104	CK70615
Hexachlorobenzene	ND (0.412)		8270D		1	11/07/17 22:40	C7K0104	CK70615
Hexachlorobutadiene	ND (0.412)		8270D		1	11/07/17 22:40	C7K0104	CK70615
Hexachloroethane	ND (0.412)		8270D		1	11/07/17 22:40	C7K0104	CK70615
<b>Indeno(1,2,3-cd)Pyrene</b>	<b>2.50</b> (0.412)		8270D		1	11/07/17 22:40	C7K0104	CK70615
Isophorone	ND (0.412)		8270D		1	11/07/17 22:40	C7K0104	CK70615
<b>Naphthalene</b>	<b>0.502</b> (0.412)		8270D		1	11/07/17 22:40	C7K0104	CK70615
Nitrobenzene	ND (0.412)		8270D		1	11/07/17 22:40	C7K0104	CK70615
N-Nitrosodimethylamine	ND (0.412)		8270D		1	11/07/17 22:40	C7K0104	CK70615
Pentachlorophenol	ND (2.06)		8270D		1	11/07/17 22:40	C7K0104	CK70615
<b>Phenanthrene</b>	<b>7.63</b> (0.412)		8270D		1	11/07/17 22:40	C7K0104	CK70615
Phenol	ND (0.412)		8270D		1	11/07/17 22:40	C7K0104	CK70615
<b>Pyrene</b>	<b>9.02</b> (0.412)		8270D		1	11/07/17 22:40	C7K0104	CK70615

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>59 %</i>		<i>30-130</i>
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>82 %</i>		<i>30-130</i>
<i>Surrogate: 2-Chlorophenol-d4</i>	<i>70 %</i>		<i>30-130</i>
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>74 %</i>		<i>30-130</i>
<i>Surrogate: 2-Fluorophenol</i>	<i>66 %</i>		<i>30-130</i>



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: Disposal Characterization  
Date Sampled: 11/02/17 00:00  
Percent Solids: 80  
Initial Volume: 15.1  
Final Volume: 0.5  
Extraction Method: 3546

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-12  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: TJ  
Prepared: 11/6/17 11:33

**8270D Semi-Volatile Organic Compounds**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
<i>Surrogate: Nitrobenzene-d5</i>		68 %		30-130				
<i>Surrogate: Phenol-d6</i>		75 %		30-130				
<i>Surrogate: p-Terphenyl-d14</i>		79 %		30-130				



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: Disposal Characterization  
Date Sampled: 11/02/17 00:00  
Percent Solids: 80

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-12  
Sample Matrix: Soil

**Classical Chemistry**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>Units</u>	<u>Batch</u>
Conductivity	WL 311 (5)		9050A		1	LAB	11/07/17 14:41	umhos/cm	CK70702
Corrosivity (pH)	7.72 (N/A)		9045		1	BCA	11/03/17 21:02	S.U.	CK70338
Corrosivity (pH) Sample Temp	Soil pH measured in water at 19.6 °C.								
Flashpoint	> Test performed from a previously opened container			40.0 (N/A)	1	BCA	11/03/17 17:11	°F	CK70345
Reactive Cyanide	ND (2.0)		7.3.3.2		1	JLK	11/06/17 23:09	mg/kg	CK70638
Reactive Sulfide	ND (2.0)		7.3.4.1		1	JLK	11/06/17 23:09	mg/kg	CK70638



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: WSE-8 11-13  
Date Sampled: 11/02/17 09:50  
Percent Solids: 80  
Initial Volume: 24.6  
Final Volume: 1  
Extraction Method: 3546

ESS Laboratory Work Order: 1711066  
ESS Laboratory Sample ID: 1711066-13  
Sample Matrix: Soil  
Units: mg/kg dry

Prepared: 11/6/17 15:03

**MADEP-EPH Extractable Petroleum Hydrocarbons**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
<b>C9-C18 Aliphatics1</b>	<b>182</b> (19.1)		MADEP-EPH		1	ZLC	11/06/17 23:39	C7K0080	CK70613
<b>C19-C36 Aliphatics1</b>	<b>29.9</b> (19.1)		MADEP-EPH		1	ZLC	11/06/17 23:39	C7K0080	CK70613
<b>C11-C22 Unadjusted Aromatics1</b>	<b>98.9</b> (19.1)		EPH8270		1	VSC	11/06/17 21:19	C7K0082	CK70613
<b>C11-C22 Aromatics1,2</b>	<b>96.5</b> (19.1)		EPH8270			VSC	11/06/17 21:19		[CALC]
<b>2-Methylnaphthalene</b>	<b>1.65</b> (0.26)		EPH8270		1	VSC	11/06/17 21:19	C7K0082	CK70613
Acenaphthene	ND (0.51)		EPH8270		1	VSC	11/06/17 21:19	C7K0082	CK70613
Naphthalene	ND (0.51)		EPH8270		1	VSC	11/06/17 21:19	C7K0082	CK70613
<b>Phenanthrene</b>	<b>0.70</b> (0.51)		EPH8270		1	VSC	11/06/17 21:19	C7K0082	CK70613
Acenaphthylene	ND (0.26)		EPH8270		1	VSC	11/06/17 21:19	C7K0082	CK70613
Anthracene	ND (0.51)		EPH8270		1	VSC	11/06/17 21:19	C7K0082	CK70613
Benzo(a)anthracene	ND (0.51)		EPH8270		1	VSC	11/06/17 21:19	C7K0082	CK70613
Benzo(a)pyrene	ND (0.51)		EPH8270		1	VSC	11/06/17 21:19	C7K0082	CK70613
Benzo(b)fluoranthene	ND (0.51)		EPH8270		1	VSC	11/06/17 21:19	C7K0082	CK70613
Benzo(g,h,i)perylene	ND (0.51)		EPH8270		1	VSC	11/06/17 21:19	C7K0082	CK70613
Benzo(k)fluoranthene	ND (0.51)		EPH8270		1	VSC	11/06/17 21:19	C7K0082	CK70613
Chrysene	ND (0.51)		EPH8270		1	VSC	11/06/17 21:19	C7K0082	CK70613
Dibenzo(a,h)Anthracene	ND (0.26)		EPH8270		1	VSC	11/06/17 21:19	C7K0082	CK70613
Fluoranthene	ND (0.51)		EPH8270		1	VSC	11/06/17 21:19	C7K0082	CK70613
Fluorene	ND (0.51)		EPH8270		1	VSC	11/06/17 21:19	C7K0082	CK70613
Indeno(1,2,3-cd)Pyrene	ND (0.51)		EPH8270		1	VSC	11/06/17 21:19	C7K0082	CK70613
Pyrene	ND (0.51)		EPH8270		1	VSC	11/06/17 21:19	C7K0082	CK70613

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1-Chlorooctadecane</i>	85 %		40-140
<i>Surrogate: 2-Bromonaphthalene</i>	80 %		40-140
<i>Surrogate: 2-Fluorobiphenyl</i>	88 %		40-140
<i>Surrogate: O-Terphenyl</i>	70 %		40-140



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
 Client Project ID: Conway Park  
 Client Sample ID: WSE-8 11-13  
 Date Sampled: 11/02/17 09:50  
 Percent Solids: 80  
 Initial Volume: 22.3  
 Final Volume: 15  
 Extraction Method: 5035

ESS Laboratory Work Order: 1711066  
 ESS Laboratory Sample ID: 1711066-13  
 Sample Matrix: Soil  
 Units: mg/kg dry  
 Analyst: MEK

**MADEP-VPH Volatile Petroleum Hydrocarbon**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
C9-C10 Aromatics	ND (11.0)		MADEP-VPH		1	11/06/17 15:34	C7K0092	CK70633
C5-C8 Aliphatics 1,2	ND (11.0)		MADEP-VPH		1	11/06/17 15:34		[CALC]
C9-C12 Aliphatics 2,3	ND (11.0)		MADEP-VPH		1	11/06/17 15:34		[CALC]
Benzene	ND (0.22)		MADEP-VPH		1	11/06/17 15:34	C7K0092	CK70633
Ethylbenzene	ND (0.22)		MADEP-VPH		1	11/06/17 15:34	C7K0092	CK70633
Methyl tert-Butyl Ether	ND (0.05)		MADEP-VPH		1	11/06/17 15:34	C7K0092	CK70633
Naphthalene	ND (0.22)		MADEP-VPH		1	11/06/17 15:34	C7K0092	CK70633
Toluene	ND (0.22)		MADEP-VPH		1	11/06/17 15:34	C7K0092	CK70633
Xylene O	ND (0.22)		MADEP-VPH		1	11/06/17 15:34	C7K0092	CK70633
Xylene P,M	ND (0.44)		MADEP-VPH		1	11/06/17 15:34	C7K0092	CK70633
<b>1:1 Methanol/Soil Ratio %D</b>	<b>49 (N/A)</b>		MADEP-VPH			11/06/17 7:40		CK70633
<b>Preservative:</b>	<b>MeOH - covered</b>		MADEP-VPH					CK70633

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 2,5-Dibromotoluene - FID</i>	<i>112 %</i>		<i>70-130</i>
<i>Surrogate: 2,5-Dibromotoluene - PID</i>	<i>109 %</i>		<i>70-130</i>
<i>Surrogate: Trifluorotoluene - FID</i>	<i>111 %</i>		<i>70-130</i>
<i>Surrogate: Trifluorotoluene - PID</i>	<i>111 %</i>		<i>70-130</i>





*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711066

**Quality Control Data**

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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**Total Metals**

**Batch CK70328 - 3050B**

**Blank**

Antimony	ND	0.50	mg/kg wet
Arsenic	ND	2.50	mg/kg wet
Barium	ND	2.50	mg/kg wet
Beryllium	ND	0.11	mg/kg wet
Cadmium	ND	0.50	mg/kg wet
Chromium	ND	1.00	mg/kg wet
Lead	ND	5.00	mg/kg wet
Nickel	ND	2.50	mg/kg wet
Selenium	ND	0.50	mg/kg wet
Silver	ND	0.50	mg/kg wet
Thallium	ND	0.50	mg/kg wet
Vanadium	ND	1.00	mg/kg wet
Zinc	ND	2.50	mg/kg wet

**LCS**

Antimony	53.1	4.10	mg/kg wet	48.00	111	80-120
Arsenic	119	8.20	mg/kg wet	123.0	97	80-120
Barium	209	8.20	mg/kg wet	253.0	83	80-120
Beryllium	177	0.36	mg/kg wet	192.0	92	80-120
Cadmium	211	1.64	mg/kg wet	224.0	94	80-120
Chromium	175	3.28	mg/kg wet	179.0	98	80-120
Lead	141	16.4	mg/kg wet	145.0	97	80-120
Nickel	134	8.20	mg/kg wet	143.0	94	80-120
Selenium	45.4	4.10	mg/kg wet	42.40	107	80-120
Silver	83.7	1.64	mg/kg wet	81.60	103	80-120
Thallium	54.4	4.10	mg/kg wet	52.00	105	80-120
Vanadium	67.4	3.28	mg/kg wet	72.30	93	80-120
Zinc	723	8.20	mg/kg wet	770.0	94	80-120

**LCS Dup**

Antimony	52.2	4.31	mg/kg wet	48.00	109	80-120	2	30
Arsenic	122	8.62	mg/kg wet	123.0	99	80-120	2	20
Barium	215	8.62	mg/kg wet	253.0	85	80-120	3	20
Beryllium	179	0.38	mg/kg wet	192.0	93	80-120	1	20
Cadmium	209	1.72	mg/kg wet	224.0	93	80-120	1	20
Chromium	174	3.45	mg/kg wet	179.0	97	80-120	0.3	20
Lead	139	17.2	mg/kg wet	145.0	96	80-120	1	20
Nickel	134	8.62	mg/kg wet	143.0	93	80-120	0.7	20
Selenium	46.0	4.31	mg/kg wet	42.40	109	80-120	1	30
Silver	82.4	1.72	mg/kg wet	81.60	101	80-120	2	20
Thallium	54.3	4.31	mg/kg wet	52.00	104	80-120	0.2	30
Vanadium	67.4	3.45	mg/kg wet	72.30	93	80-120	0.1	20
Zinc	720	8.62	mg/kg wet	770.0	94	80-120	0.3	20

**Batch CK70348 - 7471B**

**Blank**



CERTIFICATE OF ANALYSIS

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711066

**Quality Control Data**

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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Total Metals

**Batch CK70348 - 7471B**

Mercury	ND	0.033	mg/kg wet							
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**LCS**

Mercury	2.83	0.720	mg/kg wet	2.900		98	80-120			
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**LCS Dup**

Mercury	2.70	0.747	mg/kg wet	2.900		93	80-120	5	20	
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**Batch CK70351 - 7471B**

**Blank**

Mercury	ND	0.033	mg/kg wet							
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**LCS**

Mercury	2.62	0.695	mg/kg wet	2.900		90	80-120			
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**LCS Dup**

Mercury	2.70	0.776	mg/kg wet	2.900		93	80-120	3	20	
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5035/8260B Volatile Organic Compounds / Low Level

**Batch CK70401 - 5035**

**Blank**

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0020	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							
2-Butanone	ND	0.0100	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0100	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711066

**Quality Control Data**

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

**Batch CK70401 - 5035**

4-Methyl-2-Pentanone	ND	0.0100	mg/kg wet							
Acetone	ND	0.0100	mg/kg wet							
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							
Bromoform	ND	0.0050	mg/kg wet							
Bromomethane	ND	0.0100	mg/kg wet							
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Dibromochloromethane	ND	0.0020	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0100	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Xylenes (Total)	ND	0.0100	mg/kg wet							



CERTIFICATE OF ANALYSIS

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711066

**Quality Control Data**

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

**Batch CK70401 - 5035**

Surrogate: 1,2-Dichloroethane-d4	0.0524		mg/kg wet	0.05000		105	70-130			
Surrogate: 4-Bromofluorobenzene	0.0472		mg/kg wet	0.05000		94	70-130			
Surrogate: Dibromofluoromethane	0.0470		mg/kg wet	0.05000		94	70-130			
Surrogate: Toluene-d8	0.0505		mg/kg wet	0.05000		101	70-130			

**LCS**

1,1,1,2-Tetrachloroethane	0.0502	0.0050	mg/kg wet	0.05000		100	70-130			
1,1,1-Trichloroethane	0.0520	0.0050	mg/kg wet	0.05000		104	70-130			
1,1,2,2-Tetrachloroethane	0.0453	0.0020	mg/kg wet	0.05000		91	70-130			
1,1,2-Trichloroethane	0.0405	0.0050	mg/kg wet	0.05000		81	70-130			
1,1-Dichloroethane	0.0435	0.0050	mg/kg wet	0.05000		87	70-130			
1,1-Dichloroethene	0.0506	0.0050	mg/kg wet	0.05000		101	70-130			
1,1-Dichloropropene	0.0512	0.0050	mg/kg wet	0.05000		102	70-130			
1,2,3-Trichlorobenzene	0.0597	0.0050	mg/kg wet	0.05000		119	70-130			
1,2,3-Trichloropropane	0.0484	0.0050	mg/kg wet	0.05000		97	70-130			
1,2,4-Trichlorobenzene	0.0529	0.0050	mg/kg wet	0.05000		106	70-130			
1,2,4-Trimethylbenzene	0.0543	0.0050	mg/kg wet	0.05000		109	70-130			
1,2-Dibromo-3-Chloropropane	0.0499	0.0050	mg/kg wet	0.05000		100	70-130			
1,2-Dibromoethane	0.0460	0.0050	mg/kg wet	0.05000		92	70-130			
1,2-Dichlorobenzene	0.0524	0.0050	mg/kg wet	0.05000		105	70-130			
1,2-Dichloroethane	0.0507	0.0050	mg/kg wet	0.05000		101	70-130			
1,2-Dichloropropane	0.0402	0.0050	mg/kg wet	0.05000		80	70-130			
1,3,5-Trimethylbenzene	0.0523	0.0050	mg/kg wet	0.05000		105	70-130			
1,3-Dichlorobenzene	0.0507	0.0050	mg/kg wet	0.05000		101	70-130			
1,3-Dichloropropane	0.0453	0.0050	mg/kg wet	0.05000		91	70-130			
1,4-Dichlorobenzene	0.0495	0.0050	mg/kg wet	0.05000		99	70-130			
1,4-Dioxane	0.616	0.100	mg/kg wet	1.000		62	70-130			B-
2,2-Dichloropropane	0.0474	0.0050	mg/kg wet	0.05000		95	70-130			
2-Butanone	0.219	0.0100	mg/kg wet	0.2500		88	70-130			
2-Chlorotoluene	0.0495	0.0050	mg/kg wet	0.05000		99	70-130			
2-Hexanone	0.210	0.0100	mg/kg wet	0.2500		84	70-130			
4-Chlorotoluene	0.0509	0.0050	mg/kg wet	0.05000		102	70-130			
4-Isopropyltoluene	0.0523	0.0050	mg/kg wet	0.05000		105	70-130			
4-Methyl-2-Pentanone	0.198	0.0100	mg/kg wet	0.2500		79	70-130			
Acetone	0.238	0.0100	mg/kg wet	0.2500		95	70-130			
Benzene	0.0435	0.0050	mg/kg wet	0.05000		87	70-130			
Bromobenzene	0.0494	0.0050	mg/kg wet	0.05000		99	70-130			
Bromochloromethane	0.0443	0.0050	mg/kg wet	0.05000		89	70-130			
Bromodichloromethane	0.0470	0.0050	mg/kg wet	0.05000		94	70-130			
Bromoform	0.0589	0.0050	mg/kg wet	0.05000		118	70-130			
Bromomethane	0.0515	0.0100	mg/kg wet	0.05000		103	70-130			
Carbon Disulfide	0.0508	0.0050	mg/kg wet	0.05000		102	70-130			
Carbon Tetrachloride	0.0526	0.0050	mg/kg wet	0.05000		105	70-130			
Chlorobenzene	0.0447	0.0050	mg/kg wet	0.05000		89	70-130			
Chloroethane	0.0406	0.0100	mg/kg wet	0.05000		81	70-130			



CERTIFICATE OF ANALYSIS

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711066

**Quality Control Data**

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

**Batch CK70401 - 5035**

Chloroform	0.0455	0.0050	mg/kg wet	0.05000		91	70-130			
Chloromethane	0.0619	0.0100	mg/kg wet	0.05000		124	70-130			
cis-1,2-Dichloroethene	0.0444	0.0050	mg/kg wet	0.05000		89	70-130			
cis-1,3-Dichloropropene	0.0415	0.0050	mg/kg wet	0.05000		83	70-130			
Dibromochloromethane	0.0502	0.0020	mg/kg wet	0.05000		100	70-130			
Dibromomethane	0.0428	0.0050	mg/kg wet	0.05000		86	70-130			
Dichlorodifluoromethane	0.0404	0.0100	mg/kg wet	0.05000		81	70-130			
Diethyl Ether	0.0518	0.0050	mg/kg wet	0.05000		104	70-130			
Di-isopropyl ether	0.0491	0.0050	mg/kg wet	0.05000		98	70-130			
Ethyl tertiary-butyl ether	0.0474	0.0050	mg/kg wet	0.05000		95	70-130			
Ethylbenzene	0.0481	0.0050	mg/kg wet	0.05000		96	70-130			
Hexachlorobutadiene	0.0584	0.0050	mg/kg wet	0.05000		117	70-130			
Isopropylbenzene	0.0486	0.0050	mg/kg wet	0.05000		97	70-130			
Methyl tert-Butyl Ether	0.0651	0.0050	mg/kg wet	0.05000		130	70-130			
Methylene Chloride	0.0468	0.0100	mg/kg wet	0.05000		94	70-130			
Naphthalene	0.0468	0.0050	mg/kg wet	0.05000		94	70-130			
n-Butylbenzene	0.0507	0.0050	mg/kg wet	0.05000		101	70-130			
n-Propylbenzene	0.0513	0.0050	mg/kg wet	0.05000		103	70-130			
sec-Butylbenzene	0.0521	0.0050	mg/kg wet	0.05000		104	70-130			
Styrene	0.0431	0.0050	mg/kg wet	0.05000		86	70-130			
tert-Butylbenzene	0.0549	0.0050	mg/kg wet	0.05000		110	70-130			
Tertiary-amyl methyl ether	0.0416	0.0050	mg/kg wet	0.05000		83	70-130			
Tetrachloroethene	0.0485	0.0050	mg/kg wet	0.05000		97	70-130			
Tetrahydrofuran	0.0388	0.0050	mg/kg wet	0.05000		78	70-130			
Toluene	0.0446	0.0050	mg/kg wet	0.05000		89	70-130			
trans-1,2-Dichloroethene	0.0467	0.0050	mg/kg wet	0.05000		93	70-130			
trans-1,3-Dichloropropene	0.0425	0.0050	mg/kg wet	0.05000		85	70-130			
Trichloroethene	0.0462	0.0050	mg/kg wet	0.05000		92	70-130			
Trichlorofluoromethane	0.0507	0.0050	mg/kg wet	0.05000		101	70-130			
Vinyl Chloride	0.0563	0.0100	mg/kg wet	0.05000		113	70-130			
Xylene O	0.0449	0.0050	mg/kg wet	0.05000		90	70-130			
Xylene P,M	0.0978	0.0100	mg/kg wet	0.1000		98	70-130			
Xylenes (Total)	0.143	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	0.0440		mg/kg wet	0.05000		88	70-130			
Surrogate: 4-Bromofluorobenzene	0.0457		mg/kg wet	0.05000		91	70-130			
Surrogate: Dibromofluoromethane	0.0412		mg/kg wet	0.05000		82	70-130			
Surrogate: Toluene-d8	0.0417		mg/kg wet	0.05000		83	70-130			

**LCS Dup**

1,1,1,2-Tetrachloroethane	0.0481	0.0050	mg/kg wet	0.05000		96	70-130	4	20	
1,1,1-Trichloroethane	0.0482	0.0050	mg/kg wet	0.05000		96	70-130	8	20	
1,1,2,2-Tetrachloroethane	0.0440	0.0020	mg/kg wet	0.05000		88	70-130	3	20	
1,1,2-Trichloroethane	0.0387	0.0050	mg/kg wet	0.05000		77	70-130	4	20	
1,1-Dichloroethane	0.0408	0.0050	mg/kg wet	0.05000		82	70-130	7	20	
1,1-Dichloroethene	0.0490	0.0050	mg/kg wet	0.05000		98	70-130	3	20	
1,1-Dichloropropene	0.0473	0.0050	mg/kg wet	0.05000		95	70-130	8	20	



CERTIFICATE OF ANALYSIS

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711066

**Quality Control Data**

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

**Batch CK70401 - 5035**

1,2,3-Trichlorobenzene	0.0579	0.0050	mg/kg wet	0.05000		116	70-130	3	20	
1,2,3-Trichloropropane	0.0473	0.0050	mg/kg wet	0.05000		95	70-130	2	20	
1,2,4-Trichlorobenzene	0.0515	0.0050	mg/kg wet	0.05000		103	70-130	3	20	
1,2,4-Trimethylbenzene	0.0522	0.0050	mg/kg wet	0.05000		104	70-130	4	20	
1,2-Dibromo-3-Chloropropane	0.0492	0.0050	mg/kg wet	0.05000		98	70-130	1	20	
1,2-Dibromoethane	0.0447	0.0050	mg/kg wet	0.05000		89	70-130	3	20	
1,2-Dichlorobenzene	0.0505	0.0050	mg/kg wet	0.05000		101	70-130	4	20	
1,2-Dichloroethane	0.0482	0.0050	mg/kg wet	0.05000		96	70-130	5	20	
1,2-Dichloropropane	0.0385	0.0050	mg/kg wet	0.05000		77	70-130	4	20	
1,3,5-Trimethylbenzene	0.0501	0.0050	mg/kg wet	0.05000		100	70-130	4	20	
1,3-Dichlorobenzene	0.0489	0.0050	mg/kg wet	0.05000		98	70-130	4	20	
1,3-Dichloropropane	0.0439	0.0050	mg/kg wet	0.05000		88	70-130	3	20	
1,4-Dichlorobenzene	0.0474	0.0050	mg/kg wet	0.05000		95	70-130	4	20	
1,4-Dioxane	0.583	0.100	mg/kg wet	1.000		58	70-130	5	20	B-
2,2-Dichloropropane	0.0444	0.0050	mg/kg wet	0.05000		89	70-130	7	20	
2-Butanone	0.205	0.0100	mg/kg wet	0.2500		82	70-130	7	20	
2-Chlorotoluene	0.0475	0.0050	mg/kg wet	0.05000		95	70-130	4	20	
2-Hexanone	0.206	0.0100	mg/kg wet	0.2500		82	70-130	2	20	
4-Chlorotoluene	0.0488	0.0050	mg/kg wet	0.05000		98	70-130	4	20	
4-Isopropyltoluene	0.0503	0.0050	mg/kg wet	0.05000		101	70-130	4	20	
4-Methyl-2-Pentanone	0.189	0.0100	mg/kg wet	0.2500		75	70-130	5	20	
Acetone	0.216	0.0100	mg/kg wet	0.2500		87	70-130	9	20	
Benzene	0.0410	0.0050	mg/kg wet	0.05000		82	70-130	6	20	
Bromobenzene	0.0482	0.0050	mg/kg wet	0.05000		96	70-130	3	20	
Bromochloromethane	0.0425	0.0050	mg/kg wet	0.05000		85	70-130	4	20	
Bromodichloromethane	0.0440	0.0050	mg/kg wet	0.05000		88	70-130	7	20	
Bromoform	0.0567	0.0050	mg/kg wet	0.05000		113	70-130	4	20	
Bromomethane	0.0483	0.0100	mg/kg wet	0.05000		97	70-130	6	20	
Carbon Disulfide	0.0479	0.0050	mg/kg wet	0.05000		96	70-130	6	20	
Carbon Tetrachloride	0.0491	0.0050	mg/kg wet	0.05000		98	70-130	7	20	
Chlorobenzene	0.0429	0.0050	mg/kg wet	0.05000		86	70-130	4	20	
Chloroethane	0.0382	0.0100	mg/kg wet	0.05000		76	70-130	6	20	
Chloroform	0.0431	0.0050	mg/kg wet	0.05000		86	70-130	6	20	
Chloromethane	0.0556	0.0100	mg/kg wet	0.05000		111	70-130	11	20	
cis-1,2-Dichloroethene	0.0430	0.0050	mg/kg wet	0.05000		86	70-130	3	20	
cis-1,3-Dichloropropene	0.0400	0.0050	mg/kg wet	0.05000		80	70-130	4	20	
Dibromochloromethane	0.0488	0.0020	mg/kg wet	0.05000		98	70-130	3	20	
Dibromomethane	0.0408	0.0050	mg/kg wet	0.05000		82	70-130	5	20	
Dichlorodifluoromethane	0.0366	0.0100	mg/kg wet	0.05000		73	70-130	10	20	
Diethyl Ether	0.0509	0.0050	mg/kg wet	0.05000		102	70-130	2	20	
Di-isopropyl ether	0.0473	0.0050	mg/kg wet	0.05000		95	70-130	4	20	
Ethyl tertiary-butyl ether	0.0459	0.0050	mg/kg wet	0.05000		92	70-130	3	20	
Ethylbenzene	0.0459	0.0050	mg/kg wet	0.05000		92	70-130	5	20	
Hexachlorobutadiene	0.0565	0.0050	mg/kg wet	0.05000		113	70-130	3	20	
Isopropylbenzene	0.0467	0.0050	mg/kg wet	0.05000		93	70-130	4	20	



CERTIFICATE OF ANALYSIS

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711066

**Quality Control Data**

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

**Batch CK70401 - 5035**

Methyl tert-Butyl Ether	0.0633	0.0050	mg/kg wet	0.05000		127	70-130	3	20	
Methylene Chloride	0.0441	0.0100	mg/kg wet	0.05000		88	70-130	6	20	
Naphthalene	0.0465	0.0050	mg/kg wet	0.05000		93	70-130	0.7	20	
n-Butylbenzene	0.0483	0.0050	mg/kg wet	0.05000		97	70-130	5	20	
n-Propylbenzene	0.0489	0.0050	mg/kg wet	0.05000		98	70-130	5	20	
sec-Butylbenzene	0.0496	0.0050	mg/kg wet	0.05000		99	70-130	5	20	
Styrene	0.0419	0.0050	mg/kg wet	0.05000		84	70-130	3	20	
tert-Butylbenzene	0.0530	0.0050	mg/kg wet	0.05000		106	70-130	4	20	
Tertiary-amyl methyl ether	0.0398	0.0050	mg/kg wet	0.05000		80	70-130	4	20	
Tetrachloroethene	0.0465	0.0050	mg/kg wet	0.05000		93	70-130	4	20	
Tetrahydrofuran	0.0389	0.0050	mg/kg wet	0.05000		78	70-130	0.2	20	
Toluene	0.0420	0.0050	mg/kg wet	0.05000		84	70-130	6	20	
trans-1,2-Dichloroethene	0.0447	0.0050	mg/kg wet	0.05000		89	70-130	4	20	
trans-1,3-Dichloropropene	0.0409	0.0050	mg/kg wet	0.05000		82	70-130	4	20	
Trichloroethene	0.0437	0.0050	mg/kg wet	0.05000		87	70-130	6	20	
Trichlorofluoromethane	0.0472	0.0050	mg/kg wet	0.05000		94	70-130	7	20	
Vinyl Chloride	0.0517	0.0100	mg/kg wet	0.05000		103	70-130	9	20	
Xylene O	0.0425	0.0050	mg/kg wet	0.05000		85	70-130	5	20	
Xylene P,M	0.0932	0.0100	mg/kg wet	0.1000		93	70-130	5	20	
Xylenes (Total)	0.136	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	0.0428		mg/kg wet	0.05000		86	70-130			
Surrogate: 4-Bromofluorobenzene	0.0449		mg/kg wet	0.05000		90	70-130			
Surrogate: Dibromofluoromethane	0.0399		mg/kg wet	0.05000		80	70-130			
Surrogate: Toluene-d8	0.0420		mg/kg wet	0.05000		84	70-130			

**Batch CK70753 - 5035**

<b>Blank</b>										
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0020	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							





*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
 Client Project ID: Conway Park

ESS Laboratory Work Order: 1711066

**Quality Control Data**

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

**Batch CK70753 - 5035**

1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							
2-Butanone	ND	0.0100	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0100	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.0100	mg/kg wet							
Acetone	ND	0.0100	mg/kg wet							
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							
Bromoform	ND	0.0050	mg/kg wet							
Bromomethane	ND	0.0100	mg/kg wet							
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Dibromochloromethane	ND	0.0020	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0100	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							





CERTIFICATE OF ANALYSIS

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711066

**Quality Control Data**

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

**Batch CK70753 - 5035**

trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Xylenes (Total)	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	0.0446		mg/kg wet	0.05000		89	70-130			
Surrogate: 4-Bromofluorobenzene	0.0485		mg/kg wet	0.05000		97	70-130			
Surrogate: Dibromofluoromethane	0.0455		mg/kg wet	0.05000		91	70-130			
Surrogate: Toluene-d8	0.0493		mg/kg wet	0.05000		99	70-130			

**LCS**

1,1,1,2-Tetrachloroethane	0.0409	0.0050	mg/kg wet	0.05000		82	70-130			
1,1,1-Trichloroethane	0.0477	0.0050	mg/kg wet	0.05000		95	70-130			
1,1,2,2-Tetrachloroethane	0.0458	0.0020	mg/kg wet	0.05000		92	70-130			
1,1,2-Trichloroethane	0.0405	0.0050	mg/kg wet	0.05000		81	70-130			
1,1-Dichloroethane	0.0470	0.0050	mg/kg wet	0.05000		94	70-130			
1,1-Dichloroethene	0.0519	0.0050	mg/kg wet	0.05000		104	70-130			
1,1-Dichloropropene	0.0495	0.0050	mg/kg wet	0.05000		99	70-130			
1,2,3-Trichlorobenzene	0.0556	0.0050	mg/kg wet	0.05000		111	70-130			
1,2,3-Trichloropropane	0.0449	0.0050	mg/kg wet	0.05000		90	70-130			
1,2,4-Trichlorobenzene	0.0553	0.0050	mg/kg wet	0.05000		111	70-130			
1,2,4-Trimethylbenzene	0.0516	0.0050	mg/kg wet	0.05000		103	70-130			
1,2-Dibromo-3-Chloropropane	0.0508	0.0050	mg/kg wet	0.05000		102	70-130			
1,2-Dibromoethane	0.0422	0.0050	mg/kg wet	0.05000		84	70-130			
1,2-Dichlorobenzene	0.0531	0.0050	mg/kg wet	0.05000		106	70-130			
1,2-Dichloroethane	0.0490	0.0050	mg/kg wet	0.05000		98	70-130			
1,2-Dichloropropane	0.0426	0.0050	mg/kg wet	0.05000		85	70-130			
1,3,5-Trimethylbenzene	0.0493	0.0050	mg/kg wet	0.05000		99	70-130			
1,3-Dichlorobenzene	0.0528	0.0050	mg/kg wet	0.05000		106	70-130			
1,3-Dichloropropane	0.0480	0.0050	mg/kg wet	0.05000		96	70-130			
1,4-Dichlorobenzene	0.0513	0.0050	mg/kg wet	0.05000		103	70-130			
1,4-Dioxane	0.720	0.100	mg/kg wet	1.000		72	70-130			
2,2-Dichloropropane	0.0469	0.0050	mg/kg wet	0.05000		94	70-130			
2-Butanone	0.226	0.0100	mg/kg wet	0.2500		91	70-130			
2-Chlorotoluene	0.0486	0.0050	mg/kg wet	0.05000		97	70-130			
2-Hexanone	0.239	0.0100	mg/kg wet	0.2500		96	70-130			
4-Chlorotoluene	0.0497	0.0050	mg/kg wet	0.05000		99	70-130			
4-Isopropyltoluene	0.0518	0.0050	mg/kg wet	0.05000		104	70-130			
4-Methyl-2-Pentanone	0.202	0.0100	mg/kg wet	0.2500		81	70-130			
Acetone	0.213	0.0100	mg/kg wet	0.2500		85	70-130			
Benzene	0.0484	0.0050	mg/kg wet	0.05000		97	70-130			
Bromobenzene	0.0493	0.0050	mg/kg wet	0.05000		99	70-130			
Bromochloromethane	0.0426	0.0050	mg/kg wet	0.05000		85	70-130			



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711066

**Quality Control Data**

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

**Batch CK70753 - 5035**

Bromodichloromethane	0.0401	0.0050	mg/kg wet	0.05000		80	70-130			
Bromoform	0.0417	0.0050	mg/kg wet	0.05000		83	70-130			
Bromomethane	0.0514	0.0100	mg/kg wet	0.05000		103	70-130			
Carbon Disulfide	0.0549	0.0050	mg/kg wet	0.05000		110	70-130			
Carbon Tetrachloride	0.0411	0.0050	mg/kg wet	0.05000		82	70-130			
Chlorobenzene	0.0459	0.0050	mg/kg wet	0.05000		92	70-130			
Chloroethane	0.0451	0.0100	mg/kg wet	0.05000		90	70-130			
Chloroform	0.0469	0.0050	mg/kg wet	0.05000		94	70-130			
Chloromethane	0.0404	0.0100	mg/kg wet	0.05000		81	70-130			
cis-1,2-Dichloroethene	0.0480	0.0050	mg/kg wet	0.05000		96	70-130			
cis-1,3-Dichloropropene	0.0423	0.0050	mg/kg wet	0.05000		85	70-130			
Dibromochloromethane	0.0405	0.0020	mg/kg wet	0.05000		81	70-130			
Dibromomethane	0.0422	0.0050	mg/kg wet	0.05000		84	70-130			
Dichlorodifluoromethane	0.0386	0.0100	mg/kg wet	0.05000		77	70-130			
Diethyl Ether	0.0479	0.0050	mg/kg wet	0.05000		96	70-130			
Di-isopropyl ether	0.0569	0.0050	mg/kg wet	0.05000		114	70-130			
Ethyl tertiary-butyl ether	0.0486	0.0050	mg/kg wet	0.05000		97	70-130			
Ethylbenzene	0.0457	0.0050	mg/kg wet	0.05000		91	70-130			
Hexachlorobutadiene	0.0549	0.0050	mg/kg wet	0.05000		110	70-130			
Isopropylbenzene	0.0457	0.0050	mg/kg wet	0.05000		91	70-130			
Methyl tert-Butyl Ether	0.0563	0.0050	mg/kg wet	0.05000		113	70-130			
Methylene Chloride	0.0476	0.0100	mg/kg wet	0.05000		95	70-130			
Naphthalene	0.0554	0.0050	mg/kg wet	0.05000		111	70-130			
n-Butylbenzene	0.0518	0.0050	mg/kg wet	0.05000		104	70-130			
n-Propylbenzene	0.0491	0.0050	mg/kg wet	0.05000		98	70-130			
sec-Butylbenzene	0.0504	0.0050	mg/kg wet	0.05000		101	70-130			
Styrene	0.0418	0.0050	mg/kg wet	0.05000		84	70-130			
tert-Butylbenzene	0.0507	0.0050	mg/kg wet	0.05000		101	70-130			
Tertiary-amyl methyl ether	0.0439	0.0050	mg/kg wet	0.05000		88	70-130			
Tetrachloroethene	0.0462	0.0050	mg/kg wet	0.05000		92	70-130			
Tetrahydrofuran	0.0480	0.0050	mg/kg wet	0.05000		96	70-130			
Toluene	0.0456	0.0050	mg/kg wet	0.05000		91	70-130			
trans-1,2-Dichloroethene	0.0503	0.0050	mg/kg wet	0.05000		101	70-130			
trans-1,3-Dichloropropene	0.0407	0.0050	mg/kg wet	0.05000		81	70-130			
Trichloroethene	0.0470	0.0050	mg/kg wet	0.05000		94	70-130			
Trichlorofluoromethane	0.0459	0.0050	mg/kg wet	0.05000		92	70-130			
Vinyl Chloride	0.0454	0.0100	mg/kg wet	0.05000		91	70-130			
Xylene O	0.0455	0.0050	mg/kg wet	0.05000		91	70-130			
Xylene P,M	0.0903	0.0100	mg/kg wet	0.1000		90	70-130			
Xylenes (Total)	0.136	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	0.0425		mg/kg wet	0.05000		85	70-130			
Surrogate: 4-Bromofluorobenzene	0.0435		mg/kg wet	0.05000		87	70-130			
Surrogate: Dibromofluoromethane	0.0431		mg/kg wet	0.05000		86	70-130			
Surrogate: Toluene-d8	0.0432		mg/kg wet	0.05000		86	70-130			

**LCS Dup**



CERTIFICATE OF ANALYSIS

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711066

**Quality Control Data**

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

**Batch CK70753 - 5035**

1,1,1,2-Tetrachloroethane	0.0449	0.0050	mg/kg wet	0.05000		90	70-130	9	20	
1,1,1-Trichloroethane	0.0523	0.0050	mg/kg wet	0.05000		105	70-130	9	20	
1,1,2,2-Tetrachloroethane	0.0508	0.0020	mg/kg wet	0.05000		102	70-130	10	20	
1,1,2-Trichloroethane	0.0447	0.0050	mg/kg wet	0.05000		89	70-130	10	20	
1,1-Dichloroethane	0.0521	0.0050	mg/kg wet	0.05000		104	70-130	10	20	
1,1-Dichloroethene	0.0574	0.0050	mg/kg wet	0.05000		115	70-130	10	20	
1,1-Dichloropropene	0.0540	0.0050	mg/kg wet	0.05000		108	70-130	9	20	
1,2,3-Trichlorobenzene	0.0600	0.0050	mg/kg wet	0.05000		120	70-130	8	20	
1,2,3-Trichloropropane	0.0500	0.0050	mg/kg wet	0.05000		100	70-130	11	20	
1,2,4-Trichlorobenzene	0.0595	0.0050	mg/kg wet	0.05000		119	70-130	7	20	
1,2,4-Trimethylbenzene	0.0562	0.0050	mg/kg wet	0.05000		112	70-130	9	20	
1,2-Dibromo-3-Chloropropane	0.0569	0.0050	mg/kg wet	0.05000		114	70-130	11	20	
1,2-Dibromoethane	0.0465	0.0050	mg/kg wet	0.05000		93	70-130	10	20	
1,2-Dichlorobenzene	0.0583	0.0050	mg/kg wet	0.05000		117	70-130	9	20	
1,2-Dichloroethane	0.0546	0.0050	mg/kg wet	0.05000		109	70-130	11	20	
1,2-Dichloropropane	0.0469	0.0050	mg/kg wet	0.05000		94	70-130	10	20	
1,3,5-Trimethylbenzene	0.0541	0.0050	mg/kg wet	0.05000		108	70-130	9	20	
1,3-Dichlorobenzene	0.0578	0.0050	mg/kg wet	0.05000		116	70-130	9	20	
1,3-Dichloropropane	0.0533	0.0050	mg/kg wet	0.05000		107	70-130	10	20	
1,4-Dichlorobenzene	0.0561	0.0050	mg/kg wet	0.05000		112	70-130	9	20	
1,4-Dioxane	0.797	0.100	mg/kg wet	1.000		80	70-130	10	20	
2,2-Dichloropropane	0.0517	0.0050	mg/kg wet	0.05000		103	70-130	10	20	
2-Butanone	0.253	0.0100	mg/kg wet	0.2500		101	70-130	11	20	
2-Chlorotoluene	0.0530	0.0050	mg/kg wet	0.05000		106	70-130	9	20	
2-Hexanone	0.269	0.0100	mg/kg wet	0.2500		108	70-130	12	20	
4-Chlorotoluene	0.0542	0.0050	mg/kg wet	0.05000		108	70-130	9	20	
4-Isopropyltoluene	0.0563	0.0050	mg/kg wet	0.05000		113	70-130	8	20	
4-Methyl-2-Pentanone	0.227	0.0100	mg/kg wet	0.2500		91	70-130	12	20	
Acetone	0.242	0.0100	mg/kg wet	0.2500		97	70-130	13	20	
Benzene	0.0534	0.0050	mg/kg wet	0.05000		107	70-130	10	20	
Bromobenzene	0.0546	0.0050	mg/kg wet	0.05000		109	70-130	10	20	
Bromochloromethane	0.0471	0.0050	mg/kg wet	0.05000		94	70-130	10	20	
Bromodichloromethane	0.0441	0.0050	mg/kg wet	0.05000		88	70-130	10	20	
Bromoform	0.0455	0.0050	mg/kg wet	0.05000		91	70-130	9	20	
Bromomethane	0.0576	0.0100	mg/kg wet	0.05000		115	70-130	12	20	
Carbon Disulfide	0.0601	0.0050	mg/kg wet	0.05000		120	70-130	9	20	
Carbon Tetrachloride	0.0450	0.0050	mg/kg wet	0.05000		90	70-130	9	20	
Chlorobenzene	0.0502	0.0050	mg/kg wet	0.05000		100	70-130	9	20	
Chloroethane	0.0494	0.0100	mg/kg wet	0.05000		99	70-130	9	20	
Chloroform	0.0518	0.0050	mg/kg wet	0.05000		104	70-130	10	20	
Chloromethane	0.0440	0.0100	mg/kg wet	0.05000		88	70-130	9	20	
cis-1,2-Dichloroethene	0.0533	0.0050	mg/kg wet	0.05000		107	70-130	10	20	
cis-1,3-Dichloropropene	0.0464	0.0050	mg/kg wet	0.05000		93	70-130	9	20	
Dibromochloromethane	0.0442	0.0020	mg/kg wet	0.05000		88	70-130	9	20	
Dibromomethane	0.0468	0.0050	mg/kg wet	0.05000		94	70-130	10	20	



CERTIFICATE OF ANALYSIS

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711066

**Quality Control Data**

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

**Batch CK70753 - 5035**

Dichlorodifluoromethane	0.0423	0.0100	mg/kg wet	0.05000		85	70-130	9	20	
Diethyl Ether	0.0530	0.0050	mg/kg wet	0.05000		106	70-130	10	20	
Di-isopropyl ether	0.0628	0.0050	mg/kg wet	0.05000		126	70-130	10	20	
Ethyl tertiary-butyl ether	0.0538	0.0050	mg/kg wet	0.05000		108	70-130	10	20	
Ethylbenzene	0.0498	0.0050	mg/kg wet	0.05000		100	70-130	9	20	
Hexachlorobutadiene	0.0594	0.0050	mg/kg wet	0.05000		119	70-130	8	20	
Isopropylbenzene	0.0501	0.0050	mg/kg wet	0.05000		100	70-130	9	20	
Methyl tert-Butyl Ether	0.0625	0.0050	mg/kg wet	0.05000		125	70-130	10	20	
Methylene Chloride	0.0529	0.0100	mg/kg wet	0.05000		106	70-130	10	20	
Naphthalene	0.0610	0.0050	mg/kg wet	0.05000		122	70-130	10	20	
n-Butylbenzene	0.0562	0.0050	mg/kg wet	0.05000		112	70-130	8	20	
n-Propylbenzene	0.0535	0.0050	mg/kg wet	0.05000		107	70-130	8	20	
sec-Butylbenzene	0.0549	0.0050	mg/kg wet	0.05000		110	70-130	9	20	
Styrene	0.0456	0.0050	mg/kg wet	0.05000		91	70-130	9	20	
tert-Butylbenzene	0.0553	0.0050	mg/kg wet	0.05000		111	70-130	9	20	
Tertiary-amyl methyl ether	0.0484	0.0050	mg/kg wet	0.05000		97	70-130	10	20	
Tetrachloroethene	0.0504	0.0050	mg/kg wet	0.05000		101	70-130	9	20	
Tetrahydrofuran	0.0545	0.0050	mg/kg wet	0.05000		109	70-130	13	20	
Toluene	0.0504	0.0050	mg/kg wet	0.05000		101	70-130	10	20	
trans-1,2-Dichloroethene	0.0557	0.0050	mg/kg wet	0.05000		111	70-130	10	20	
trans-1,3-Dichloropropene	0.0447	0.0050	mg/kg wet	0.05000		89	70-130	10	20	
Trichloroethene	0.0518	0.0050	mg/kg wet	0.05000		104	70-130	10	20	
Trichlorofluoromethane	0.0502	0.0050	mg/kg wet	0.05000		100	70-130	9	20	
Vinyl Chloride	0.0496	0.0100	mg/kg wet	0.05000		99	70-130	9	20	
Xylene O	0.0496	0.0050	mg/kg wet	0.05000		99	70-130	9	20	
Xylene P,M	0.0977	0.0100	mg/kg wet	0.1000		98	70-130	8	20	
Xylenes (Total)	0.147	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	0.0427		mg/kg wet	0.05000		85	70-130			
Surrogate: 4-Bromofluorobenzene	0.0434		mg/kg wet	0.05000		87	70-130			
Surrogate: Dibromofluoromethane	0.0431		mg/kg wet	0.05000		86	70-130			
Surrogate: Toluene-d8	0.0431		mg/kg wet	0.05000		86	70-130			

8082A Polychlorinated Biphenyls (PCB)

**Batch CK70612 - 3540C**

<b>Blank</b>										
Aroclor 1016	ND	0.05	mg/kg wet							
Aroclor 1016 [2C]	ND	0.05	mg/kg wet							
Aroclor 1221	ND	0.05	mg/kg wet							
Aroclor 1221 [2C]	ND	0.05	mg/kg wet							
Aroclor 1232	ND	0.05	mg/kg wet							
Aroclor 1232 [2C]	ND	0.05	mg/kg wet							
Aroclor 1242	ND	0.05	mg/kg wet							
Aroclor 1242 [2C]	ND	0.05	mg/kg wet							
Aroclor 1248	ND	0.05	mg/kg wet							
Aroclor 1248 [2C]	ND	0.05	mg/kg wet							



CERTIFICATE OF ANALYSIS

Client Name: Weston & Sampson Engineers, Inc.  
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**Quality Control Data**

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8082A Polychlorinated Biphenyls (PCB)

**Batch CK70612 - 3540C**

Aroclor 1254	ND	0.05	mg/kg wet							
Aroclor 1254 [2C]	ND	0.05	mg/kg wet							
Aroclor 1260	ND	0.05	mg/kg wet							
Aroclor 1260 [2C]	ND	0.05	mg/kg wet							
Aroclor 1262	ND	0.05	mg/kg wet							
Aroclor 1262 [2C]	ND	0.05	mg/kg wet							
Aroclor 1268	ND	0.05	mg/kg wet							
Aroclor 1268 [2C]	ND	0.05	mg/kg wet							

Surrogate: Decachlorobiphenyl	0.0223		mg/kg wet	0.02500		89	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.0243		mg/kg wet	0.02500		97	30-150			
Surrogate: Tetrachloro-m-xylene	0.0186		mg/kg wet	0.02500		74	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.0196		mg/kg wet	0.02500		78	30-150			

**LCS**

Aroclor 1016	0.4	0.05	mg/kg wet	0.5000		85	40-140			
Aroclor 1016 [2C]	0.4	0.05	mg/kg wet	0.5000		81	40-140			
Aroclor 1260	0.4	0.05	mg/kg wet	0.5000		81	40-140			
Aroclor 1260 [2C]	0.4	0.05	mg/kg wet	0.5000		81	40-140			

Surrogate: Decachlorobiphenyl	0.0225		mg/kg wet	0.02500		90	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.0242		mg/kg wet	0.02500		97	30-150			
Surrogate: Tetrachloro-m-xylene	0.0193		mg/kg wet	0.02500		77	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.0189		mg/kg wet	0.02500		75	30-150			

**LCS Dup**

Aroclor 1016	0.5	0.05	mg/kg wet	0.5000		91	40-140	7	30	
Aroclor 1016 [2C]	0.4	0.05	mg/kg wet	0.5000		89	40-140	10	30	
Aroclor 1260	0.4	0.05	mg/kg wet	0.5000		90	40-140	10	30	
Aroclor 1260 [2C]	0.4	0.05	mg/kg wet	0.5000		89	40-140	10	30	

Surrogate: Decachlorobiphenyl	0.0246		mg/kg wet	0.02500		98	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.0260		mg/kg wet	0.02500		104	30-150			
Surrogate: Tetrachloro-m-xylene	0.0214		mg/kg wet	0.02500		86	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.0210		mg/kg wet	0.02500		84	30-150			

8100M Total Petroleum Hydrocarbons

**Batch CK70644 - 3546**

**Blank**

Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Hexatriacontane (C36)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							



*CERTIFICATE OF ANALYSIS*

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**Quality Control Data**

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**8100M Total Petroleum Hydrocarbons**

**Batch CK70644 - 3546**

Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	10.0	mg/kg wet							
Triacosane (C30)	ND	0.2	mg/kg wet							

<i>Surrogate: O-Terphenyl</i>	<i>4.63</i>		mg/kg wet	<i>5.000</i>		<i>93</i>	<i>40-140</i>			
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**LCS**

Decane (C10)	1.8	0.2	mg/kg wet	2.500		71	40-140			
Docosane (C22)	2.1	0.2	mg/kg wet	2.500		85	40-140			
Dodecane (C12)	1.9	0.2	mg/kg wet	2.500		76	40-140			
Eicosane (C20)	2.1	0.2	mg/kg wet	2.500		84	40-140			
Hexacosane (C26)	2.1	0.2	mg/kg wet	2.500		85	40-140			
Hexadecane (C16)	2.0	0.2	mg/kg wet	2.500		79	40-140			
Hexatriacontane (C36)	2.3	0.2	mg/kg wet	2.500		90	40-140			
Nonadecane (C19)	2.3	0.2	mg/kg wet	2.500		92	40-140			
Nonane (C9)	1.5	0.2	mg/kg wet	2.500		59	30-140			
Octacosane (C28)	2.1	0.2	mg/kg wet	2.500		86	40-140			
Octadecane (C18)	2.0	0.2	mg/kg wet	2.500		80	40-140			
Tetracosane (C24)	2.1	0.2	mg/kg wet	2.500		85	40-140			
Tetradecane (C14)	1.9	0.2	mg/kg wet	2.500		76	40-140			
Total Petroleum Hydrocarbons	28.0	10.0	mg/kg wet	35.00		80	40-140			
Triacosane (C30)	2.1	0.2	mg/kg wet	2.500		86	40-140			

<i>Surrogate: O-Terphenyl</i>	<i>4.49</i>		mg/kg wet	<i>5.000</i>		<i>90</i>	<i>40-140</i>			
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**LCS Dup**

Decane (C10)	1.8	0.2	mg/kg wet	2.500		73	40-140	3	25	
Docosane (C22)	2.2	0.2	mg/kg wet	2.500		90	40-140	5	25	
Dodecane (C12)	2.0	0.2	mg/kg wet	2.500		79	40-140	4	25	
Eicosane (C20)	2.2	0.2	mg/kg wet	2.500		88	40-140	5	25	
Hexacosane (C26)	2.2	0.2	mg/kg wet	2.500		90	40-140	5	25	
Hexadecane (C16)	2.1	0.2	mg/kg wet	2.500		84	40-140	6	25	
Hexatriacontane (C36)	2.4	0.2	mg/kg wet	2.500		95	40-140	6	25	
Nonadecane (C19)	2.4	0.2	mg/kg wet	2.500		97	40-140	5	25	
Nonane (C9)	1.5	0.2	mg/kg wet	2.500		60	30-140	2	25	
Octacosane (C28)	2.3	0.2	mg/kg wet	2.500		90	40-140	5	25	
Octadecane (C18)	2.1	0.2	mg/kg wet	2.500		84	40-140	5	25	
Tetracosane (C24)	2.2	0.2	mg/kg wet	2.500		90	40-140	5	25	
Tetradecane (C14)	2.0	0.2	mg/kg wet	2.500		80	40-140	5	25	
Total Petroleum Hydrocarbons	29.3	10.0	mg/kg wet	35.00		84	40-140	5	25	
Triacosane (C30)	2.3	0.2	mg/kg wet	2.500		90	40-140	5	25	

<i>Surrogate: O-Terphenyl</i>	<i>4.68</i>		mg/kg wet	<i>5.000</i>		<i>94</i>	<i>40-140</i>			
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*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
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**Quality Control Data**

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8270D Semi-Volatile Organic Compounds

**Batch CK70615 - 3546**

**Blank**

1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3'-Dichlorobenzidine	ND	0.667	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	1.67	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							





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**Quality Control Data**

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8270D Semi-Volatile Organic Compounds

**Batch CK70615 - 3546**

Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.333	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	2.91		mg/kg wet	3.333		87	30-130			
Surrogate: 2,4,6-Tribromophenol	5.30		mg/kg wet	5.000		106	30-130			
Surrogate: 2-Chlorophenol-d4	4.45		mg/kg wet	5.000		89	30-130			
Surrogate: 2-Fluorobiphenyl	3.23		mg/kg wet	3.333		97	30-130			
Surrogate: 2-Fluorophenol	5.74		mg/kg wet	5.000		115	30-130			
Surrogate: Nitrobenzene-d5	3.11		mg/kg wet	3.333		93	30-130			
Surrogate: Phenol-d6	4.39		mg/kg wet	5.000		88	30-130			
Surrogate: p-Terphenyl-d14	4.39		mg/kg wet	3.333		132	30-130			S+

**LCS**

1,2,4-Trichlorobenzene	2.89	0.333	mg/kg wet	3.333		87	40-140			
1,2-Dichlorobenzene	2.70	0.333	mg/kg wet	3.333		81	40-140			
1,3-Dichlorobenzene	2.70	0.333	mg/kg wet	3.333		81	40-140			
1,4-Dichlorobenzene	2.64	0.333	mg/kg wet	3.333		79	40-140			
2,4,5-Trichlorophenol	4.01	0.333	mg/kg wet	3.333		120	30-130			
2,4,6-Trichlorophenol	3.94	0.333	mg/kg wet	3.333		118	30-130			
2,4-Dichlorophenol	3.00	0.333	mg/kg wet	3.333		90	30-130			
2,4-Dimethylphenol	2.75	0.333	mg/kg wet	3.333		83	30-130			
2,4-Dinitrophenol	2.49	1.67	mg/kg wet	3.333		75	30-130			
2,4-Dinitrotoluene	2.86	0.333	mg/kg wet	3.333		86	40-140			
2,6-Dinitrotoluene	3.00	0.333	mg/kg wet	3.333		90	40-140			
2-Chloronaphthalene	3.49	0.333	mg/kg wet	3.333		105	40-140			
2-Chlorophenol	2.67	0.333	mg/kg wet	3.333		80	30-130			
2-Methylnaphthalene	3.53	0.333	mg/kg wet	3.333		106	40-140			
2-Methylphenol	2.66	0.333	mg/kg wet	3.333		80	30-130			
2-Nitrophenol	2.78	0.333	mg/kg wet	3.333		83	30-130			
3,3'-Dichlorobenzidine	2.86	0.667	mg/kg wet	3.333		86	40-140			
3+4-Methylphenol	5.64	0.667	mg/kg wet	6.667		85	30-130			
4-Bromophenyl-phenylether	2.88	0.333	mg/kg wet	3.333		86	40-140			
4-Chloroaniline	2.43	0.667	mg/kg wet	3.333		73	40-140			
4-Nitrophenol	2.81	1.67	mg/kg wet	3.333		84	30-130			
Acenaphthene	2.73	0.333	mg/kg wet	3.333		82	40-140			





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**Quality Control Data**

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**8270D Semi-Volatile Organic Compounds**

**Batch CK70615 - 3546**

Acenaphthylene	2.85	0.333	mg/kg wet	3.333		85	40-140			
Acetophenone	2.69	0.667	mg/kg wet	3.333		81	40-140			
Aniline	2.54	1.67	mg/kg wet	3.333		76	40-140			
Anthracene	2.95	0.333	mg/kg wet	3.333		89	40-140			
Azobenzene	2.76	0.333	mg/kg wet	3.333		83	40-140			
Benzo(a)anthracene	2.92	0.333	mg/kg wet	3.333		87	40-140			
Benzo(a)pyrene	3.19	0.167	mg/kg wet	3.333		96	40-140			
Benzo(b)fluoranthene	3.34	0.333	mg/kg wet	3.333		100	40-140			
Benzo(g,h,i)perylene	2.82	0.333	mg/kg wet	3.333		85	40-140			
Benzo(k)fluoranthene	2.95	0.333	mg/kg wet	3.333		89	40-140			
bis(2-Chloroethoxy)methane	2.71	0.333	mg/kg wet	3.333		81	40-140			
bis(2-Chloroethyl)ether	2.55	0.333	mg/kg wet	3.333		77	40-140			
bis(2-chloroisopropyl)Ether	2.59	0.333	mg/kg wet	3.333		78	40-140			
bis(2-Ethylhexyl)phthalate	3.51	0.333	mg/kg wet	3.333		105	40-140			
Butylbenzylphthalate	3.34	0.333	mg/kg wet	3.333		100	40-140			
Chrysene	2.92	0.167	mg/kg wet	3.333		87	40-140			
Dibenzo(a,h)Anthracene	2.87	0.167	mg/kg wet	3.333		86	40-140			
Dibenzofuran	2.79	0.333	mg/kg wet	3.333		84	40-140			
Diethylphthalate	2.88	0.333	mg/kg wet	3.333		86	40-140			
Dimethylphthalate	2.83	0.333	mg/kg wet	3.333		85	40-140			
Di-n-butylphthalate	3.24	0.333	mg/kg wet	3.333		97	40-140			
Di-n-octylphthalate	2.98	0.333	mg/kg wet	3.333		89	40-140			
Fluoranthene	3.00	0.333	mg/kg wet	3.333		90	40-140			
Fluorene	2.90	0.333	mg/kg wet	3.333		87	40-140			
Hexachlorobenzene	2.88	0.333	mg/kg wet	3.333		86	40-140			
Hexachlorobutadiene	2.79	0.333	mg/kg wet	3.333		84	40-140			
Hexachloroethane	2.62	0.333	mg/kg wet	3.333		79	40-140			
Indeno(1,2,3-cd)Pyrene	2.89	0.333	mg/kg wet	3.333		87	40-140			
Isophorone	2.59	0.333	mg/kg wet	3.333		78	40-140			
Naphthalene	2.78	0.333	mg/kg wet	3.333		84	40-140			
Nitrobenzene	2.70	0.333	mg/kg wet	3.333		81	40-140			
N-Nitrosodimethylamine	2.27	0.333	mg/kg wet	3.333		68	40-140			
Pentachlorophenol	2.59	1.67	mg/kg wet	3.333		78	30-130			
Phenanthrene	2.84	0.333	mg/kg wet	3.333		85	40-140			
Phenol	2.60	0.333	mg/kg wet	3.333		78	30-130			
Pyrene	3.13	0.333	mg/kg wet	3.333		94	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	2.95		mg/kg wet	3.333		89	30-130			
Surrogate: 2,4,6-Tribromophenol	5.58		mg/kg wet	5.000		112	30-130			
Surrogate: 2-Chlorophenol-d4	4.70		mg/kg wet	5.000		94	30-130			
Surrogate: 2-Fluorobiphenyl	4.14		mg/kg wet	3.333		124	30-130			
Surrogate: 2-Fluorophenol	6.18		mg/kg wet	5.000		124	30-130			
Surrogate: Nitrobenzene-d5	3.23		mg/kg wet	3.333		97	30-130			
Surrogate: Phenol-d6	4.72		mg/kg wet	5.000		94	30-130			
Surrogate: p-Terphenyl-d14	3.75		mg/kg wet	3.333		113	30-130			

**LCS Dup**



CERTIFICATE OF ANALYSIS

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711066

**Quality Control Data**

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8270D Semi-Volatile Organic Compounds

**Batch CK70615 - 3546**

1,2,4-Trichlorobenzene	2.82	0.333	mg/kg wet	3.333		85	40-140	2	30	
1,2-Dichlorobenzene	2.80	0.333	mg/kg wet	3.333		84	40-140	3	30	
1,3-Dichlorobenzene	2.78	0.333	mg/kg wet	3.333		83	40-140	3	30	
1,4-Dichlorobenzene	2.71	0.333	mg/kg wet	3.333		81	40-140	3	30	
2,4,5-Trichlorophenol	2.78	0.333	mg/kg wet	3.333		83	30-130	36	30	D+
2,4,6-Trichlorophenol	2.76	0.333	mg/kg wet	3.333		83	30-130	35	30	D+
2,4-Dichlorophenol	2.96	0.333	mg/kg wet	3.333		89	30-130	1	30	
2,4-Dimethylphenol	2.85	0.333	mg/kg wet	3.333		86	30-130	3	30	
2,4-Dinitrophenol	2.36	1.67	mg/kg wet	3.333		71	30-130	5	30	
2,4-Dinitrotoluene	2.76	0.333	mg/kg wet	3.333		83	40-140	4	30	
2,6-Dinitrotoluene	2.55	0.333	mg/kg wet	3.333		77	40-140	16	30	
2-Chloronaphthalene	2.37	0.333	mg/kg wet	3.333		71	40-140	38	30	D+
2-Chlorophenol	2.77	0.333	mg/kg wet	3.333		83	30-130	4	30	
2-Methylnaphthalene	2.74	0.333	mg/kg wet	3.333		82	40-140	25	30	
2-Methylphenol	2.78	0.333	mg/kg wet	3.333		83	30-130	4	30	
2-Nitrophenol	2.85	0.333	mg/kg wet	3.333		86	30-130	3	30	
3,3'-Dichlorobenzidine	2.98	0.667	mg/kg wet	3.333		89	40-140	4	30	
3+4-Methylphenol	5.85	0.667	mg/kg wet	6.667		88	30-130	4	30	
4-Bromophenyl-phenylether	3.58	0.333	mg/kg wet	3.333		107	40-140	22	30	
4-Chloroaniline	2.58	0.667	mg/kg wet	3.333		78	40-140	6	30	
4-Nitrophenol	2.87	1.67	mg/kg wet	3.333		86	30-130	2	30	
Acenaphthene	2.91	0.333	mg/kg wet	3.333		87	40-140	6	30	
Acenaphthylene	2.48	0.333	mg/kg wet	3.333		74	40-140	14	30	
Acetophenone	2.78	0.667	mg/kg wet	3.333		84	40-140	3	30	
Aniline	2.60	1.67	mg/kg wet	3.333		78	40-140	3	30	
Anthracene	3.08	0.333	mg/kg wet	3.333		92	40-140	4	30	
Azobenzene	4.62	0.333	mg/kg wet	3.333		139	40-140	50	30	D+
Benzo(a)anthracene	3.06	0.333	mg/kg wet	3.333		92	40-140	5	30	
Benzo(a)pyrene	3.20	0.167	mg/kg wet	3.333		96	40-140	0.4	30	
Benzo(b)fluoranthene	3.36	0.333	mg/kg wet	3.333		101	40-140	0.5	30	
Benzo(g,h,i)perylene	3.36	0.333	mg/kg wet	3.333		101	40-140	18	30	
Benzo(k)fluoranthene	2.89	0.333	mg/kg wet	3.333		87	40-140	2	30	
bis(2-Chloroethoxy)methane	2.79	0.333	mg/kg wet	3.333		84	40-140	3	30	
bis(2-Chloroethyl)ether	2.61	0.333	mg/kg wet	3.333		78	40-140	2	30	
bis(2-chloroisopropyl)Ether	2.66	0.333	mg/kg wet	3.333		80	40-140	3	30	
bis(2-Ethylhexyl)phthalate	3.59	0.333	mg/kg wet	3.333		108	40-140	2	30	
Butylbenzylphthalate	3.46	0.333	mg/kg wet	3.333		104	40-140	3	30	
Chrysene	3.03	0.167	mg/kg wet	3.333		91	40-140	4	30	
Dibenzo(a,h)Anthracene	3.41	0.167	mg/kg wet	3.333		102	40-140	17	30	
Dibenzofuran	2.79	0.333	mg/kg wet	3.333		84	40-140	0.01	30	
Diethylphthalate	2.93	0.333	mg/kg wet	3.333		88	40-140	2	30	
Dimethylphthalate	2.40	0.333	mg/kg wet	3.333		72	40-140	17	30	
Di-n-butylphthalate	3.26	0.333	mg/kg wet	3.333		98	40-140	0.5	30	
Di-n-octylphthalate	3.32	0.333	mg/kg wet	3.333		100	40-140	11	30	
Fluoranthene	3.25	0.333	mg/kg wet	3.333		98	40-140	8	30	



CERTIFICATE OF ANALYSIS

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711066

**Quality Control Data**

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8270D Semi-Volatile Organic Compounds

**Batch CK70615 - 3546**

Fluorene	2.98	0.333	mg/kg wet	3.333		89	40-140	3	30	
Hexachlorobenzene	3.40	0.333	mg/kg wet	3.333		102	40-140	16	30	
Hexachlorobutadiene	2.85	0.333	mg/kg wet	3.333		86	40-140	2	30	
Hexachloroethane	2.69	0.333	mg/kg wet	3.333		81	40-140	3	30	
Indeno(1,2,3-cd)Pyrene	3.45	0.333	mg/kg wet	3.333		103	40-140	18	30	
Isophorone	2.66	0.333	mg/kg wet	3.333		80	40-140	3	30	
Naphthalene	2.83	0.333	mg/kg wet	3.333		85	40-140	2	30	
Nitrobenzene	2.77	0.333	mg/kg wet	3.333		83	40-140	3	30	
N-Nitrosodimethylamine	2.48	0.333	mg/kg wet	3.333		74	40-140	9	30	
Pentachlorophenol	2.68	1.67	mg/kg wet	3.333		80	30-130	3	30	
Phenanthrene	2.97	0.333	mg/kg wet	3.333		89	40-140	5	30	
Phenol	2.66	0.333	mg/kg wet	3.333		80	30-130	2	30	
Pyrene	3.01	0.333	mg/kg wet	3.333		90	40-140	4	30	
Surrogate: 1,2-Dichlorobenzene-d4	2.99		mg/kg wet	3.333		90	30-130			
Surrogate: 2,4,6-Tribromophenol	6.36		mg/kg wet	5.000		127	30-130			
Surrogate: 2-Chlorophenol-d4	4.76		mg/kg wet	5.000		95	30-130			
Surrogate: 2-Fluorobiphenyl	2.87		mg/kg wet	3.333		86	30-130			
Surrogate: 2-Fluorophenol	6.77		mg/kg wet	5.000		135	30-130			S+
Surrogate: Nitrobenzene-d5	3.25		mg/kg wet	3.333		98	30-130			
Surrogate: Phenol-d6	4.82		mg/kg wet	5.000		96	30-130			
Surrogate: p-Terphenyl-d14	3.55		mg/kg wet	3.333		106	30-130			

Classical Chemistry

**Batch CK70345 - General Preparation**

**Reference**

Flashpoint	81		°F	81.00		100	97.9-102.1			
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**Batch CK70638 - General Preparation**

**Blank**

Reactive Cyanide	ND	2.0	mg/kg							
Reactive Sulfide	ND	2.0	mg/kg							

**LCS**

Reactive Cyanide	3.9	2.0	mg/kg	100.3		4	0.68-5.41			
Reactive Sulfide	ND	2.0	mg/kg	10.00		0	0-44			

**Batch CK70702 - General Preparation**

**Blank**

Conductivity	ND	5	umhos/cm							
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**LCS**

Conductivity	1430		umhos/cm	1411		101	90-110			
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MADEP-EPH Extractable Petroleum Hydrocarbons

**Batch CK70307 - 3546**

**Blank**

C19-C36 Aliphatics1	ND	15.0	mg/kg wet							
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CERTIFICATE OF ANALYSIS

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711066

**Quality Control Data**

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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MADEP-EPH Extractable Petroleum Hydrocarbons

**Batch CK70307 - 3546**

C9-C18 Aliphatics1	ND	15.0	mg/kg wet							
Decane (C10)	ND	0.5	mg/kg wet							
Docosane (C22)	ND	0.5	mg/kg wet							
Dodecane (C12)	ND	0.5	mg/kg wet							
Eicosane (C20)	ND	0.5	mg/kg wet							
Hexacosane (C26)	ND	0.5	mg/kg wet							
Hexadecane (C16)	ND	0.5	mg/kg wet							
Hexatriacontane (C36)	ND	0.5	mg/kg wet							
Nonadecane (C19)	ND	0.5	mg/kg wet							
Nonane (C9)	ND	0.5	mg/kg wet							
Octacosane (C28)	ND	0.5	mg/kg wet							
Octadecane (C18)	ND	0.5	mg/kg wet							
Tetracosane (C24)	ND	0.5	mg/kg wet							
Tetradecane (C14)	ND	0.5	mg/kg wet							
Triacontane (C30)	ND	0.5	mg/kg wet							

Surrogate: 1-Chlorooctadecane	1.65		mg/kg wet	2.000		82	40-140			
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**Blank**

2-Methylnaphthalene	ND	0.20	mg/kg wet							
Acenaphthene	ND	0.40	mg/kg wet							
Acenaphthylene	ND	0.20	mg/kg wet							
Anthracene	ND	0.40	mg/kg wet							
Benzo(a)anthracene	ND	0.40	mg/kg wet							
Benzo(a)pyrene	ND	0.40	mg/kg wet							
Benzo(b)fluoranthene	ND	0.40	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.40	mg/kg wet							
Benzo(k)fluoranthene	ND	0.40	mg/kg wet							
C11-C22 Aromatics1,2	ND	15.0	mg/kg wet							
C11-C22 Unadjusted Aromatics1	ND	15.0	mg/kg wet							
Chrysene	ND	0.40	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.20	mg/kg wet							
Fluoranthene	ND	0.40	mg/kg wet							
Fluorene	ND	0.40	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.40	mg/kg wet							
Naphthalene	ND	0.40	mg/kg wet							
Phenanthrene	ND	0.40	mg/kg wet							
Pyrene	ND	0.40	mg/kg wet							

Surrogate: 2-Bromonaphthalene	1.62		mg/kg wet	2.000		81	40-140			
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Surrogate: 2-Fluorobiphenyl	1.78		mg/kg wet	2.000		89	40-140			
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Surrogate: O-Terphenyl	1.59		mg/kg wet	2.000		80	40-140			
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**LCS**

C19-C36 Aliphatics1	18.1	15.0	mg/kg wet	16.00		113	40-140			
C9-C18 Aliphatics1	10.8	15.0	mg/kg wet	12.00		90	40-140			
Decane (C10)	1.3	0.5	mg/kg wet	2.000		63	40-140			
Docosane (C22)	1.7	0.5	mg/kg wet	2.000		86	40-140			



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711066

**Quality Control Data**

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
<b>MADEP-EPH Extractable Petroleum Hydrocarbons</b>										
<b>Batch CK70307 - 3546</b>										
Dodecane (C12)	1.2	0.5	mg/kg wet	2.000		60	40-140			
Eicosane (C20)	1.7	0.5	mg/kg wet	2.000		85	40-140			
Hexacosane (C26)	1.7	0.5	mg/kg wet	2.000		86	40-140			
Hexadecane (C16)	1.6	0.5	mg/kg wet	2.000		82	40-140			
Hexatriacontane (C36)	1.8	0.5	mg/kg wet	2.000		89	40-140			
Nonadecane (C19)	1.7	0.5	mg/kg wet	2.000		87	40-140			
Nonane (C9)	1.0	0.5	mg/kg wet	2.000		52	30-140			
Octacosane (C28)	1.7	0.5	mg/kg wet	2.000		85	40-140			
Octadecane (C18)	1.6	0.5	mg/kg wet	2.000		82	40-140			
Tetracosane (C24)	1.7	0.5	mg/kg wet	2.000		87	40-140			
Tetradecane (C14)	1.5	0.5	mg/kg wet	2.000		76	40-140			
Triacontane (C30)	1.7	0.5	mg/kg wet	2.000		85	40-140			
<i>Surrogate: 1-Chlorooctadecane</i>	<i>1.62</i>		mg/kg wet	<i>2.000</i>		<i>81</i>	<i>40-140</i>			
<b>LCS</b>										
2-Methylnaphthalene	1.62	0.20	mg/kg wet	2.000		81	40-140			
Acenaphthene	1.81	0.40	mg/kg wet	2.000		90	40-140			
Acenaphthylene	1.85	0.20	mg/kg wet	2.000		93	40-140			
Anthracene	1.92	0.40	mg/kg wet	2.000		96	40-140			
Benzo(a)anthracene	1.94	0.40	mg/kg wet	2.000		97	40-140			
Benzo(a)pyrene	1.88	0.40	mg/kg wet	2.000		94	40-140			
Benzo(b)fluoranthene	1.94	0.40	mg/kg wet	2.000		97	40-140			
Benzo(g,h,i)perylene	1.42	0.40	mg/kg wet	2.000		71	40-140			
Benzo(k)fluoranthene	1.93	0.40	mg/kg wet	2.000		96	40-140			
C11-C22 Aromatics1,2	6.75	15.0	mg/kg wet							
C11-C22 Unadjusted Aromatics1	36.9	15.0	mg/kg wet	34.00		109	40-140			
Chrysene	1.81	0.40	mg/kg wet	2.000		91	40-140			
Dibenzo(a,h)Anthracene	1.55	0.20	mg/kg wet	2.000		77	40-140			
Fluoranthene	1.79	0.40	mg/kg wet	2.000		89	40-140			
Fluorene	1.83	0.40	mg/kg wet	2.000		91	40-140			
Indeno(1,2,3-cd)Pyrene	1.58	0.40	mg/kg wet	2.000		79	40-140			
Naphthalene	1.71	0.40	mg/kg wet	2.000		86	40-140			
Phenanthrene	1.81	0.40	mg/kg wet	2.000		91	40-140			
Pyrene	1.82	0.40	mg/kg wet	2.000		91	40-140			
<i>Surrogate: 2-Bromonaphthalene</i>	<i>1.64</i>		mg/kg wet	<i>2.000</i>		<i>82</i>	<i>40-140</i>			
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>1.84</i>		mg/kg wet	<i>2.000</i>		<i>92</i>	<i>40-140</i>			
<i>Surrogate: O-Terphenyl</i>	<i>1.69</i>		mg/kg wet	<i>2.000</i>		<i>84</i>	<i>40-140</i>			
<b>LCS</b>										
2-Methylnaphthalene Breakthrough	0.0		%				0-5			
Naphthalene Breakthrough	0.0		%				0-5			
<b>LCS Dup</b>										
C19-C36 Aliphatics1	18.7	15.0	mg/kg wet	16.00		117	40-140	4	25	
C9-C18 Aliphatics1	11.1	15.0	mg/kg wet	12.00		92	40-140	3	25	
Decane (C10)	1.3	0.5	mg/kg wet	2.000		63	40-140	0.1	25	
Docosane (C22)	1.8	0.5	mg/kg wet	2.000		89	40-140	3	25	



CERTIFICATE OF ANALYSIS

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711066

**Quality Control Data**

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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MADEP-EPH Extractable Petroleum Hydrocarbons

**Batch CK70307 - 3546**

Dodecane (C12)	1.2	0.5	mg/kg wet	2.000		61	40-140	1	25	
Eicosane (C20)	1.8	0.5	mg/kg wet	2.000		88	40-140	3	25	
Hexacosane (C26)	1.8	0.5	mg/kg wet	2.000		89	40-140	3	25	
Hexadecane (C16)	1.7	0.5	mg/kg wet	2.000		85	40-140	3	25	
Hexatriacontane (C36)	1.9	0.5	mg/kg wet	2.000		93	40-140	4	25	
Nonadecane (C19)	1.8	0.5	mg/kg wet	2.000		90	40-140	3	25	
Nonane (C9)	1.1	0.5	mg/kg wet	2.000		53	30-140	0.7	25	
Octacosane (C28)	1.8	0.5	mg/kg wet	2.000		89	40-140	4	25	
Octadecane (C18)	1.7	0.5	mg/kg wet	2.000		85	40-140	3	25	
Tetracosane (C24)	1.8	0.5	mg/kg wet	2.000		90	40-140	3	25	
Tetradecane (C14)	1.5	0.5	mg/kg wet	2.000		76	40-140	0.6	25	
Triacontane (C30)	1.8	0.5	mg/kg wet	2.000		88	40-140	4	25	

Surrogate: 1-Chlorooctadecane

1.63 mg/kg wet 2.000 81 40-140

**LCS Dup**

2-Methylnaphthalene	1.64	0.20	mg/kg wet	2.000		82	40-140	1	30	
Acenaphthene	1.83	0.40	mg/kg wet	2.000		92	40-140	1	30	
Acenaphthylene	1.93	0.20	mg/kg wet	2.000		96	40-140	4	30	
Anthracene	1.86	0.40	mg/kg wet	2.000		93	40-140	3	30	
Benzo(a)anthracene	1.85	0.40	mg/kg wet	2.000		93	40-140	5	30	
Benzo(a)pyrene	1.78	0.40	mg/kg wet	2.000		89	40-140	6	30	
Benzo(b)fluoranthene	1.93	0.40	mg/kg wet	2.000		96	40-140	0.3	30	
Benzo(g,h,i)perylene	1.38	0.40	mg/kg wet	2.000		69	40-140	3	30	
Benzo(k)fluoranthene	1.83	0.40	mg/kg wet	2.000		92	40-140	5	30	
C11-C22 Aromatics1,2	6.48	15.0	mg/kg wet							
C11-C22 Unadjusted Aromatics1	36.3	15.0	mg/kg wet	34.00		107	40-140	2	25	
Chrysene	1.82	0.40	mg/kg wet	2.000		91	40-140	0.4	30	
Dibenzo(a,h)Anthracene	1.49	0.20	mg/kg wet	2.000		74	40-140	4	30	
Fluoranthene	1.73	0.40	mg/kg wet	2.000		87	40-140	3	30	
Fluorene	1.84	0.40	mg/kg wet	2.000		92	40-140	0.9	30	
Indeno(1,2,3-cd)Pyrene	1.56	0.40	mg/kg wet	2.000		78	40-140	2	30	
Naphthalene	1.82	0.40	mg/kg wet	2.000		91	40-140	6	30	
Phenanthrene	1.71	0.40	mg/kg wet	2.000		86	40-140	6	30	
Pyrene	1.80	0.40	mg/kg wet	2.000		90	40-140	1	30	
Surrogate: 2-Bromonaphthalene	1.37		mg/kg wet	2.000		69	40-140			
Surrogate: 2-Fluorobiphenyl	1.85		mg/kg wet	2.000		93	40-140			
Surrogate: O-Terphenyl	1.65		mg/kg wet	2.000		82	40-140			

**LCS Dup**

2-Methylnaphthalene Breakthrough	0.0		%				0-5		200	
Naphthalene Breakthrough	0.0		%				0-5		200	

**Batch CK70613 - 3546**

**Blank**

C19-C36 Aliphatics1	ND	15.0	mg/kg wet							
C9-C18 Aliphatics1	ND	15.0	mg/kg wet							
Decane (C10)	ND	0.5	mg/kg wet							



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711066

**Quality Control Data**

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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**MADEP-EPH Extractable Petroleum Hydrocarbons**

**Batch CK70613 - 3546**

Docosane (C22)	ND	0.5	mg/kg wet							
Dodecane (C12)	ND	0.5	mg/kg wet							
Eicosane (C20)	ND	0.5	mg/kg wet							
Hexacosane (C26)	ND	0.5	mg/kg wet							
Hexadecane (C16)	ND	0.5	mg/kg wet							
Hexatriacontane (C36)	ND	0.5	mg/kg wet							
Nonadecane (C19)	ND	0.5	mg/kg wet							
Nonane (C9)	ND	0.5	mg/kg wet							
Octacosane (C28)	ND	0.5	mg/kg wet							
Octadecane (C18)	ND	0.5	mg/kg wet							
Tetracosane (C24)	ND	0.5	mg/kg wet							
Tetradecane (C14)	ND	0.5	mg/kg wet							
Triacontane (C30)	ND	0.5	mg/kg wet							

<i>Surrogate: 1-Chlorooctadecane</i>	<i>1.78</i>		mg/kg wet	<i>2.000</i>		<i>89</i>	<i>40-140</i>			
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**Blank**

2-Methylnaphthalene	ND	0.20	mg/kg wet							
Acenaphthene	ND	0.40	mg/kg wet							
Acenaphthylene	ND	0.20	mg/kg wet							
Anthracene	ND	0.40	mg/kg wet							
Benzo(a)anthracene	ND	0.40	mg/kg wet							
Benzo(a)pyrene	ND	0.40	mg/kg wet							
Benzo(b)fluoranthene	ND	0.40	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.40	mg/kg wet							
Benzo(k)fluoranthene	ND	0.40	mg/kg wet							
C11-C22 Aromatics1,2	ND	15.0	mg/kg wet							
C11-C22 Unadjusted Aromatics1	ND	15.0	mg/kg wet							
Chrysene	ND	0.40	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.20	mg/kg wet							
Fluoranthene	ND	0.40	mg/kg wet							
Fluorene	ND	0.40	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.40	mg/kg wet							
Naphthalene	ND	0.40	mg/kg wet							
Phenanthrene	ND	0.40	mg/kg wet							
Pyrene	ND	0.40	mg/kg wet							
<i>Surrogate: 2-Bromonaphthalene</i>	<i>1.75</i>		mg/kg wet	<i>2.000</i>		<i>88</i>	<i>40-140</i>			
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>1.79</i>		mg/kg wet	<i>2.000</i>		<i>90</i>	<i>40-140</i>			
<i>Surrogate: O-Terphenyl</i>	<i>1.65</i>		mg/kg wet	<i>2.000</i>		<i>82</i>	<i>40-140</i>			

**LCS**

C19-C36 Aliphatics1	20.5	15.0	mg/kg wet	16.00		128	40-140			
C9-C18 Aliphatics1	10.0	15.0	mg/kg wet	12.00		83	40-140			
Decane (C10)	1.1	0.5	mg/kg wet	2.000		54	40-140			
Docosane (C22)	1.8	0.5	mg/kg wet	2.000		90	40-140			
Dodecane (C12)	1.2	0.5	mg/kg wet	2.000		62	40-140			
Eicosane (C20)	1.8	0.5	mg/kg wet	2.000		89	40-140			





*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711066

**Quality Control Data**

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
<b>MADEP-EPH Extractable Petroleum Hydrocarbons</b>										
<b>Batch CK70613 - 3546</b>										
Hexacosane (C26)	1.8	0.5	mg/kg wet	2.000		91	40-140			
Hexadecane (C16)	1.6	0.5	mg/kg wet	2.000		82	40-140			
Hexatriacontane (C36)	1.8	0.5	mg/kg wet	2.000		91	40-140			
Nonadecane (C19)	1.8	0.5	mg/kg wet	2.000		91	40-140			
Nonane (C9)	0.8	0.5	mg/kg wet	2.000		42	30-140			
Octacosane (C28)	1.8	0.5	mg/kg wet	2.000		91	40-140			
Octadecane (C18)	1.7	0.5	mg/kg wet	2.000		85	40-140			
Tetracosane (C24)	1.8	0.5	mg/kg wet	2.000		91	40-140			
Tetradecane (C14)	1.4	0.5	mg/kg wet	2.000		68	40-140			
triacontane (C30)	1.8	0.5	mg/kg wet	2.000		92	40-140			
<i>Surrogate: 1-Chlorooctadecane</i>	<i>1.79</i>		mg/kg wet	<i>2.000</i>		<i>90</i>	<i>40-140</i>			
<b>LCS</b>										
2-Methylnaphthalene	1.56	0.20	mg/kg wet	2.000		78	40-140			
Acenaphthene	1.74	0.40	mg/kg wet	2.000		87	40-140			
Acenaphthylene	1.78	0.20	mg/kg wet	2.000		89	40-140			
Anthracene	1.84	0.40	mg/kg wet	2.000		92	40-140			
Benzo(a)anthracene	1.85	0.40	mg/kg wet	2.000		92	40-140			
Benzo(a)pyrene	1.76	0.40	mg/kg wet	2.000		88	40-140			
Benzo(b)fluoranthene	1.85	0.40	mg/kg wet	2.000		93	40-140			
Benzo(g,h,i)perylene	1.75	0.40	mg/kg wet	2.000		88	40-140			
Benzo(k)fluoranthene	1.79	0.40	mg/kg wet	2.000		90	40-140			
C11-C22 Aromatics1,2	6.75	15.0	mg/kg wet							
C11-C22 Unadjusted Aromatics1	36.8	15.0	mg/kg wet	34.00		108	40-140			
Chrysene	1.79	0.40	mg/kg wet	2.000		90	40-140			
Dibenzo(a,h)Anthracene	1.86	0.20	mg/kg wet	2.000		93	40-140			
Fluoranthene	1.77	0.40	mg/kg wet	2.000		89	40-140			
Fluorene	1.70	0.40	mg/kg wet	2.000		85	40-140			
Indeno(1,2,3-cd)Pyrene	1.89	0.40	mg/kg wet	2.000		94	40-140			
Naphthalene	1.65	0.40	mg/kg wet	2.000		82	40-140			
Phenanthrene	1.66	0.40	mg/kg wet	2.000		83	40-140			
Pyrene	1.77	0.40	mg/kg wet	2.000		89	40-140			
<i>Surrogate: 2-Bromonaphthalene</i>	<i>1.61</i>		mg/kg wet	<i>2.000</i>		<i>81</i>	<i>40-140</i>			
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>1.80</i>		mg/kg wet	<i>2.000</i>		<i>90</i>	<i>40-140</i>			
<i>Surrogate: O-Terphenyl</i>	<i>1.71</i>		mg/kg wet	<i>2.000</i>		<i>86</i>	<i>40-140</i>			
<b>LCS</b>										
2-Methylnaphthalene Breakthrough	0.0		%				0-5			
Naphthalene Breakthrough	0.0		%				0-5			
<b>LCS Dup</b>										
C19-C36 Aliphatics1	17.3	15.0	mg/kg wet	16.00		108	40-140	17	25	
C9-C18 Aliphatics1	9.4	15.0	mg/kg wet	12.00		78	40-140	7	25	
Decane (C10)	1.0	0.5	mg/kg wet	2.000		50	40-140	7	25	
Docosane (C22)	1.6	0.5	mg/kg wet	2.000		80	40-140	12	25	
Dodecane (C12)	1.0	0.5	mg/kg wet	2.000		50	40-140	21	25	
Eicosane (C20)	1.6	0.5	mg/kg wet	2.000		79	40-140	12	25	





CERTIFICATE OF ANALYSIS

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711066

**Quality Control Data**

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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MADEP-EPH Extractable Petroleum Hydrocarbons

**Batch CK70613 - 3546**

Hexacosane (C26)	1.6	0.5	mg/kg wet	2.000		80	40-140	14	25	
Hexadecane (C16)	1.4	0.5	mg/kg wet	2.000		72	40-140	13	25	
Hexatriacontane (C36)	1.6	0.5	mg/kg wet	2.000		80	40-140	13	25	
Nonadecane (C19)	1.6	0.5	mg/kg wet	2.000		80	40-140	13	25	
Nonane (C9)	0.8	0.5	mg/kg wet	2.000		38	30-140	12	25	
Octacosane (C28)	1.6	0.5	mg/kg wet	2.000		79	40-140	15	25	
Octadecane (C18)	1.5	0.5	mg/kg wet	2.000		75	40-140	13	25	
Tetracosane (C24)	1.6	0.5	mg/kg wet	2.000		80	40-140	13	25	
Tetradecane (C14)	1.2	0.5	mg/kg wet	2.000		62	40-140	10	25	
triacontane (C30)	1.6	0.5	mg/kg wet	2.000		78	40-140	16	25	

Surrogate: 1-Chlorooctadecane

1.13 mg/kg wet 2.000 57 40-140

**LCS Dup**

2-Methylnaphthalene	1.49	0.20	mg/kg wet	2.000		75	40-140	5	30	
Acenaphthene	1.66	0.40	mg/kg wet	2.000		83	40-140	5	30	
Acenaphthylene	1.72	0.20	mg/kg wet	2.000		86	40-140	3	30	
Anthracene	1.83	0.40	mg/kg wet	2.000		91	40-140	0.7	30	
Benzo(a)anthracene	1.76	0.40	mg/kg wet	2.000		88	40-140	5	30	
Benzo(a)pyrene	1.66	0.40	mg/kg wet	2.000		83	40-140	6	30	
Benzo(b)fluoranthene	1.68	0.40	mg/kg wet	2.000		84	40-140	10	30	
Benzo(g,h,i)perylene	1.54	0.40	mg/kg wet	2.000		77	40-140	13	30	
Benzo(k)fluoranthene	1.63	0.40	mg/kg wet	2.000		82	40-140	9	30	
C11-C22 Aromatics1,2	8.18	15.0	mg/kg wet							
C11-C22 Unadjusted Aromatics1	36.6	15.0	mg/kg wet	34.00		108	40-140	0.3	25	
Chrysene	1.73	0.40	mg/kg wet	2.000		87	40-140	3	30	
Dibenzo(a,h)Anthracene	1.55	0.20	mg/kg wet	2.000		78	40-140	18	30	
Fluoranthene	1.72	0.40	mg/kg wet	2.000		86	40-140	3	30	
Fluorene	1.75	0.40	mg/kg wet	2.000		88	40-140	3	30	
Indeno(1,2,3-cd)Pyrene	1.67	0.40	mg/kg wet	2.000		84	40-140	12	30	
Naphthalene	1.61	0.40	mg/kg wet	2.000		80	40-140	3	30	
Phenanthrene	1.73	0.40	mg/kg wet	2.000		86	40-140	4	30	
Pyrene	1.73	0.40	mg/kg wet	2.000		87	40-140	2	30	
Surrogate: 2-Bromonaphthalene	1.71		mg/kg wet	2.000		85	40-140			
Surrogate: 2-Fluorobiphenyl	1.74		mg/kg wet	2.000		87	40-140			
Surrogate: O-Terphenyl	1.61		mg/kg wet	2.000		80	40-140			

**LCS Dup**

2-Methylnaphthalene Breakthrough	0.0		%				0-5		200	
Naphthalene Breakthrough	0.0		%				0-5		200	

MADEP-VPH Volatile Petroleum Hydrocarbon

**Batch CK70319 - 5035**

**Blank**

1,2,4-Trimethylbenzene	ND	0.20	mg/kg wet							
2,2,4-Trimethylpentane	ND	5.00	mg/kg wet							
2-Methylpentane	ND	5.00	mg/kg wet							



CERTIFICATE OF ANALYSIS

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711066

**Quality Control Data**

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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MADEP-VPH Volatile Petroleum Hydrocarbon

**Batch CK70319 - 5035**

Benzene	ND	0.20	mg/kg wet							
C5-C8 Aliphatics1,2	ND	10.0	mg/kg wet							
C5-C8 Unadjusted Aliphatics	ND	10.0	mg/kg wet							
C9-C10 Aromatics	ND	10.0	mg/kg wet							
C9-C12 Aliphatics2,3	ND	10.0	mg/kg wet							
C9-C12 Unadjusted Aliphatics	ND	10.0	mg/kg wet							
Ethylbenzene	ND	0.20	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.05	mg/kg wet							
Naphthalene	ND	0.20	mg/kg wet							
n-Butylcyclohexane	ND	5.00	mg/kg wet							
n-Decane	ND	5.00	mg/kg wet							
Nonane (C9)	ND	5.00	mg/kg wet							
Pentane	ND	5.00	mg/kg wet							
Toluene	ND	0.20	mg/kg wet							
Xylene O	ND	0.20	mg/kg wet							
Xylene P,M	ND	0.40	mg/kg wet							
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Surrogate: 2,5-Dibromotoluene - FID	5.31		mg/kg wet	5.000		106	70-130			
Surrogate: 2,5-Dibromotoluene - PID	5.16		mg/kg wet	5.000		103	70-130			
Surrogate: Trifluorotoluene - FID	5.45		mg/kg wet	5.333		102	70-130			
Surrogate: Trifluorotoluene - PID	5.44		mg/kg wet	5.333		102	70-130			

**LCS**

1,2,4-Trimethylbenzene	9.01	0.20	mg/kg wet	10.00		90	70-130			
2,2,4-Trimethylpentane	15.1	5.00	mg/kg wet	15.00		101	70-130			
2-Methylpentane	14.8	5.00	mg/kg wet	15.00		99	70-130			
Benzene	4.90	0.20	mg/kg wet	5.000		98	70-130			
C5-C8 Aliphatics1,2	ND	10.0	mg/kg wet							
C5-C8 Unadjusted Aliphatics	40.9	10.0	mg/kg wet	40.00		102	70-130			
C9-C10 Aromatics	8.89	10.0	mg/kg wet	10.00		89	70-130			
C9-C12 Aliphatics2,3	ND	10.0	mg/kg wet							
C9-C12 Unadjusted Aliphatics	25.6	10.0	mg/kg wet	30.00		85	70-130			
Ethylbenzene	4.84	0.20	mg/kg wet	5.000		97	70-130			
Methyl tert-Butyl Ether	15.4	0.05	mg/kg wet	15.00		103	70-130			
Naphthalene	9.00	0.20	mg/kg wet	10.00		90	70-130			
n-Butylcyclohexane	8.77	5.00	mg/kg wet	10.00		88	70-130			
n-Decane	9.66	5.00	mg/kg wet	10.00		97	70-130			
Nonane (C9)	8.42	5.00	mg/kg wet	10.00		84	30-130			
Pentane	10.1	5.00	mg/kg wet	10.00		101	70-130			
Toluene	14.1	0.20	mg/kg wet	15.00		94	70-130			
Xylene O	9.27	0.20	mg/kg wet	10.00		93	70-130			
Xylene P,M	18.7	0.40	mg/kg wet	20.00		94	70-130			

Surrogate: 2,5-Dibromotoluene - FID	5.63		mg/kg wet	5.000		113	70-130			
Surrogate: 2,5-Dibromotoluene - PID	5.50		mg/kg wet	5.000		110	70-130			
Surrogate: Trifluorotoluene - FID	5.48		mg/kg wet	5.333		103	70-130			
Surrogate: Trifluorotoluene - PID	5.48		mg/kg wet	5.333		103	70-130			



CERTIFICATE OF ANALYSIS

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711066

**Quality Control Data**

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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MADEP-VPH Volatile Petroleum Hydrocarbon

**Batch CK70319 - 5035**

**LCS Dup**

1,2,4-Trimethylbenzene	8.92	0.20	mg/kg wet	10.00		89	70-130	1	25	
2,2,4-Trimethylpentane	15.6	5.00	mg/kg wet	15.00		104	70-130	3	25	
2-Methylpentane	15.2	5.00	mg/kg wet	15.00		102	70-130	3	25	
Benzene	4.99	0.20	mg/kg wet	5.000		100	70-130	2	25	
C5-C8 Aliphatics1,2	ND	10.0	mg/kg wet							
C5-C8 Unadjusted Aliphatics	42.0	10.0	mg/kg wet	40.00		105	70-130	3	25	
C9-C10 Aromatics	8.80	10.0	mg/kg wet	10.00		88	70-130	1	25	
C9-C12 Aliphatics2,3	ND	10.0	mg/kg wet							
C9-C12 Unadjusted Aliphatics	25.2	10.0	mg/kg wet	30.00		84	70-130	2	25	
Ethylbenzene	4.83	0.20	mg/kg wet	5.000		97	70-130	0.4	25	
Methyl tert-Butyl Ether	16.1	0.05	mg/kg wet	15.00		107	70-130	4	25	
Naphthalene	8.78	0.20	mg/kg wet	10.00		88	70-130	3	25	
n-Butylcyclohexane	8.71	5.00	mg/kg wet	10.00		87	70-130	0.7	25	
n-Decane	9.42	5.00	mg/kg wet	10.00		94	70-130	2	25	
Nonane (C9)	8.37	5.00	mg/kg wet	10.00		84	30-130	0.5	25	
Pentane	10.2	5.00	mg/kg wet	10.00		102	70-130	1	25	
Toluene	14.1	0.20	mg/kg wet	15.00		94	70-130	0.3	25	
Xylene O	9.15	0.20	mg/kg wet	10.00		91	70-130	1	25	
Xylene P,M	18.4	0.40	mg/kg wet	20.00		92	70-130	1	25	
Surrogate: 2,5-Dibromotoluene - FID	5.62		mg/kg wet	5.000		112	70-130			
Surrogate: 2,5-Dibromotoluene - PID	5.46		mg/kg wet	5.000		109	70-130			
Surrogate: Trifluorotoluene - FID	5.55		mg/kg wet	5.333		104	70-130			
Surrogate: Trifluorotoluene - PID	5.56		mg/kg wet	5.333		104	70-130			

**Batch CK70633 - 5035**

**Blank**

1,2,4-Trimethylbenzene	ND	0.20	mg/kg wet							
2,2,4-Trimethylpentane	ND	5.00	mg/kg wet							
2-Methylpentane	ND	5.00	mg/kg wet							
Benzene	ND	0.20	mg/kg wet							
C5-C8 Aliphatics1,2	ND	10.0	mg/kg wet							
C5-C8 Unadjusted Aliphatics	ND	10.0	mg/kg wet							
C9-C10 Aromatics	ND	10.0	mg/kg wet							
C9-C12 Aliphatics2,3	ND	10.0	mg/kg wet							
C9-C12 Unadjusted Aliphatics	ND	10.0	mg/kg wet							
Ethylbenzene	ND	0.20	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.05	mg/kg wet							
Naphthalene	ND	0.20	mg/kg wet							
n-Butylcyclohexane	ND	5.00	mg/kg wet							
n-Decane	ND	5.00	mg/kg wet							
Nonane (C9)	ND	5.00	mg/kg wet							
Pentane	ND	5.00	mg/kg wet							
Toluene	ND	0.20	mg/kg wet							
Xylene O	ND	0.20	mg/kg wet							



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711066

**Quality Control Data**

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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**MADEP-VPH Volatile Petroleum Hydrocarbon**

**Batch CK70633 - 5035**

Xylene P,M	ND	0.40	mg/kg wet							
<i>Surrogate: 2,5-Dibromotoluene - FID</i>	5.70		mg/kg wet	5.000		114	70-130			
<i>Surrogate: 2,5-Dibromotoluene - PID</i>	5.50		mg/kg wet	5.000		110	70-130			
<i>Surrogate: Trifluorotoluene - FID</i>	5.48		mg/kg wet	5.333		103	70-130			
<i>Surrogate: Trifluorotoluene - PID</i>	5.43		mg/kg wet	5.333		102	70-130			

**LCS**

1,2,4-Trimethylbenzene	8.96	0.20	mg/kg wet	10.00		90	70-130			
2,2,4-Trimethylpentane	14.6	5.00	mg/kg wet	15.00		97	70-130			
2-Methylpentane	13.9	5.00	mg/kg wet	15.00		93	70-130			
Benzene	4.69	0.20	mg/kg wet	5.000		94	70-130			
C5-C8 Aliphatics1,2	ND	10.0	mg/kg wet							
C5-C8 Unadjusted Aliphatics	39.0	10.0	mg/kg wet	40.00		98	70-130			
C9-C10 Aromatics	8.84	10.0	mg/kg wet	10.00		88	70-130			
C9-C12 Aliphatics2,3	ND	10.0	mg/kg wet							
C9-C12 Unadjusted Aliphatics	24.2	10.0	mg/kg wet	30.00		81	70-130			
Ethylbenzene	4.82	0.20	mg/kg wet	5.000		96	70-130			
Methyl tert-Butyl Ether	14.8	0.05	mg/kg wet	15.00		98	70-130			
Naphthalene	8.68	0.20	mg/kg wet	10.00		87	70-130			
n-Butylcyclohexane	8.44	5.00	mg/kg wet	10.00		84	70-130			
n-Decane	9.21	5.00	mg/kg wet	10.00		92	70-130			
Nonane (C9)	7.99	5.00	mg/kg wet	10.00		80	30-130			
Pentane	9.58	5.00	mg/kg wet	10.00		96	70-130			
Toluene	13.8	0.20	mg/kg wet	15.00		92	70-130			
Xylene O	9.24	0.20	mg/kg wet	10.00		92	70-130			
Xylene P,M	18.6	0.40	mg/kg wet	20.00		93	70-130			

<i>Surrogate: 2,5-Dibromotoluene - FID</i>	5.84		mg/kg wet	5.000		117	70-130			
<i>Surrogate: 2,5-Dibromotoluene - PID</i>	5.67		mg/kg wet	5.000		113	70-130			
<i>Surrogate: Trifluorotoluene - FID</i>	5.43		mg/kg wet	5.333		102	70-130			
<i>Surrogate: Trifluorotoluene - PID</i>	5.36		mg/kg wet	5.333		101	70-130			

**LCS Dup**

1,2,4-Trimethylbenzene	8.95	0.20	mg/kg wet	10.00		90	70-130	0.06	25	
2,2,4-Trimethylpentane	14.9	5.00	mg/kg wet	15.00		100	70-130	3	25	
2-Methylpentane	14.3	5.00	mg/kg wet	15.00		95	70-130	3	25	
Benzene	4.76	0.20	mg/kg wet	5.000		95	70-130	2	25	
C5-C8 Aliphatics1,2	ND	10.0	mg/kg wet							
C5-C8 Unadjusted Aliphatics	40.0	10.0	mg/kg wet	40.00		100	70-130	2	25	
C9-C10 Aromatics	8.84	10.0	mg/kg wet	10.00		88	70-130	0.06	25	
C9-C12 Aliphatics2,3	ND	10.0	mg/kg wet							
C9-C12 Unadjusted Aliphatics	24.8	10.0	mg/kg wet	30.00		83	70-130	2	25	
Ethylbenzene	4.83	0.20	mg/kg wet	5.000		97	70-130	0.3	25	
Methyl tert-Butyl Ether	15.1	0.05	mg/kg wet	15.00		101	70-130	3	25	
Naphthalene	8.79	0.20	mg/kg wet	10.00		88	70-130	1	25	
n-Butylcyclohexane	8.73	5.00	mg/kg wet	10.00		87	70-130	3	25	
n-Decane	9.30	5.00	mg/kg wet	10.00		93	70-130	1	25	



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711066

**Quality Control Data**

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
---------	--------	-----	-------	-------------	---------------	------	-------------	-----	-----------	-----------

MADEP-VPH Volatile Petroleum Hydrocarbon

**Batch CK70633 - 5035**

Nonane (C9)	8.17	5.00	mg/kg wet	10.00		82	30-130	2	25	
Pentane	9.70	5.00	mg/kg wet	10.00		97	70-130	1	25	
Toluene	13.8	0.20	mg/kg wet	15.00		92	70-130	0.009	25	
Xylene O	9.22	0.20	mg/kg wet	10.00		92	70-130	0.3	25	
Xylene P,M	18.6	0.40	mg/kg wet	20.00		93	70-130	0.2	25	
<i>Surrogate: 2,5-Dibromotoluene - FID</i>	<i>5.78</i>		mg/kg wet	<i>5.000</i>		<i>116</i>	<i>70-130</i>			
<i>Surrogate: 2,5-Dibromotoluene - PID</i>	<i>5.60</i>		mg/kg wet	<i>5.000</i>		<i>112</i>	<i>70-130</i>			
<i>Surrogate: Trifluorotoluene - FID</i>	<i>5.45</i>		mg/kg wet	<i>5.333</i>		<i>102</i>	<i>70-130</i>			
<i>Surrogate: Trifluorotoluene - PID</i>	<i>5.41</i>		mg/kg wet	<i>5.333</i>		<i>101</i>	<i>70-130</i>			



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711066

**Notes and Definitions**

- Z-10 Soil pH measured in water at 19.6 °C.
- Z-04 MeOH - covered
- WL Results obtained from a deionized water leach of the sample.
- U Analyte included in the analysis, but not detected
- S+ Surrogate recovery(ies) above upper control limit (S+).
- Q Calibration required quadratic regression (Q).
- O Test performed from a previously opened container
- D+ Relative percent difference for duplicate is outside of criteria (D+).
- D Diluted.
- CD+ Continuing Calibration %Diff/Drift is above control limit (CD+).
- CD- Continuing Calibration %Diff/Drift is below control limit (CD-).
- B- Blank Spike recovery is below lower control limit (B-).
- > Greater than.
- ND Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- MDL Method Detection Limit
- MRL Method Reporting Limit
- LOD Limit of Detection
- LOQ Limit of Quantitation
- DL Detection Limit
- I/V Initial Volume
- F/V Final Volume
- § Subcontracted analysis; see attached report
- 1 Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
- 2 Range result excludes concentrations of target analytes eluting in that range.
- 3 Range result excludes the concentration of the C9-C10 aromatic range.
- Avg Results reported as a mathematical average.
- NR No Recovery
- [CALC] Calculated Analyte
- SUB Subcontracted analysis; see attached report
- RL Reporting Limit
- EDL Estimated Detection Limit



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711066

**ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS**

**ENVIRONMENTAL**

Rhode Island Potable and Non Potable Water: LAI00179

<http://www.health.ri.gov/find/labs/analytical/ESS.pdf>

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750

[http://www.ct.gov/dph/lib/dph/environmental\\_health/environmental\\_laboratories/pdf/OutOfStateCommercialLaboratories.pdf](http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutOfStateCommercialLaboratories.pdf)

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002

<http://www.maine.gov/dhhs/meecd/environmental-health/dwp/partners/labCert.shtml>

Massachusetts Potable and Non Potable Water: M-RI002

<http://public.dep.state.ma.us/Labcert/Labcert.aspx>

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424

<http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm>

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313

<http://www.wadsworth.org/labcert/elap/comm.html>

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006

[http://datamine2.state.nj.us/DEP\\_OPRA/OpraMain/pi\\_main?mode=pi\\_by\\_site&sort\\_order=PI\\_NAMEA&Select+a+Site:=58715](http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715)

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752

<http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx>

## ESS Laboratory Sample and Cooler Receipt Checklist

Client: Weston & Sampson Engineers, Inc - TB/MM

ESS Project ID: 1711066

Shipped/Delivered Via: ESS Courier

Date Received: 11/2/2017

Project Due Date: 11/9/2017

Days for Project: 5 Day

- |  |   |
|--|---|
| <p>1. Air bill manifest present? <input type="checkbox"/> No<br/>Air No.: <u>NA</u></p> <p>2. Were custody seals present? <input type="checkbox"/> No</p> <p>3. Is radiation count &lt;100 CPM? <input type="checkbox"/> Yes</p> <p>4. Is a Cooler Present? <input type="checkbox"/> Yes<br/>Temp: <u>3.5</u> Iced with: <u>Ice</u></p> <p>5. Was COC signed and dated by client? <input type="checkbox"/> Yes</p> | <p>6. Does COC match bottles? <input type="checkbox"/> No</p> <p>7. Is COC complete and correct? <input type="checkbox"/> Yes</p> <p>8. Were samples received intact? <input type="checkbox"/> Yes</p> <p>9. Were labs informed about <u>short holds &amp; rushes</u>? Yes / No / <u>NA</u></p> <p>10. Were any analyses received outside of hold time? Yes / <u>No</u></p> |
|--|---|

- |  |  |
|--|--|
| <p>11. Any Subcontracting needed? Yes / <u>No</u><br/>ESS Sample IDs: _____<br/>Analysis: _____<br/>TAT: _____</p> | <p>12. Were VOAs received? <u>Yes</u> / No<br/>a. Air bubbles in aqueous VOAs? Yes / No<br/>b. Does methanol cover soil completely? <u>Yes</u> / No / NA</p> |
|--|--|

13. Are the samples properly preserved? Yes / No
- |                                      |             |             |           |
|--------------------------------------|-------------|-------------|-----------|
| a. If metals preserved upon receipt: | Date: _____ | Time: _____ | By: _____ |
| b. Low Level VOA vials frozen:       | Date: _____ | Time: _____ | By: _____ |

Sample Receiving Notes:

Added - 13 per MM w/ 11/3/17

14. Was there a need to contact Project Manager? Yes / No
- a. Was there a need to contact the client? Yes / No
- Who was contacted? \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ By: \_\_\_\_\_

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
01	178297	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
01	178298	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
01	178321	Yes	NA	Yes	VOA Vial - Other	Other	
01	178322	Yes	NA	Yes	VOA Vial - Other	Other	
01	178334	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
01	178647	Yes	NA	Yes	2 oz. Jar - Unpres	NP	
02	178295	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
02	178296	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
02	178319	Yes	NA	Yes	VOA Vial - Other	Other	
02	178320	Yes	NA	Yes	VOA Vial - Other	Other	
02	178333	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
02	178646	Yes	NA	Yes	2 oz. Jar - Unpres	NP	
03	178293	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
03	178294	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
03	178317	Yes	NA	Yes	VOA Vial - Other	Other	
03	178318	Yes	NA	Yes	VOA Vial - Other	Other	
03	178332	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
03	178645	Yes	NA	Yes	2 oz. Jar - Unpres	NP	
04	178291	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
04	178292	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
04	178315	Yes	NA	Yes	VOA Vial - Other	Other	
04	178316	Yes	NA	Yes	VOA Vial - Other	Other	
04	178331	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
04	178644	Yes	NA	Yes	2 oz. Jar - Unpres	NP	



## ESS Laboratory Sample and Cooler Receipt Checklist

Client: Weston & Sampson Engineers, Inc - TB/MM

ESS Project ID: 1711066

Date Received: 11/2/2017

05	178289	Yes	NA	Yes	VOA Vial - Methanol	MeOH
05	178290	Yes	NA	Yes	VOA Vial - Methanol	MeOH
05	178313	Yes	NA	Yes	VOA Vial - Other	Other
05	178314	Yes	NA	Yes	VOA Vial - Other	Other
05	178330	Yes	NA	Yes	8 oz. Jar - Unpres	NP
05	178643	Yes	NA	Yes	2 oz. Jar - Unpres	NP
06	178287	Yes	NA	Yes	VOA Vial - Methanol	MeOH
06	178288	Yes	NA	Yes	VOA Vial - Methanol	MeOH
06	178311	Yes	NA	Yes	VOA Vial - Other	Other
06	178312	Yes	NA	Yes	VOA Vial - Other	Other
06	178329	Yes	NA	Yes	8 oz. Jar - Unpres	NP
06	178642	Yes	NA	Yes	2 oz. Jar - Unpres	NP
07	178285	Yes	NA	Yes	VOA Vial - Methanol	MeOH
07	178286	Yes	NA	Yes	VOA Vial - Methanol	MeOH
07	178309	Yes	NA	Yes	VOA Vial - Other	Other
07	178310	Yes	NA	Yes	VOA Vial - Other	Other
07	178328	Yes	NA	Yes	8 oz. Jar - Unpres	NP
07	178641	Yes	NA	Yes	2 oz. Jar - Unpres	NP
08	178283	Yes	NA	Yes	VOA Vial - Methanol	MeOH
08	178284	Yes	NA	Yes	VOA Vial - Methanol	MeOH
08	178307	Yes	NA	Yes	VOA Vial - Other	Other
08	178308	Yes	NA	Yes	VOA Vial - Other	Other
08	178327	Yes	NA	Yes	8 oz. Jar - Unpres	NP
08	178640	Yes	NA	Yes	2 oz. Jar - Unpres	NP
09	178281	Yes	NA	Yes	VOA Vial - Methanol	MeOH
09	178282	Yes	NA	Yes	VOA Vial - Methanol	MeOH
09	178305	Yes	NA	Yes	VOA Vial - Other	Other
09	178306	Yes	NA	Yes	VOA Vial - Other	Other
09	178326	Yes	NA	Yes	8 oz. Jar - Unpres	NP
09	178639	Yes	NA	Yes	2 oz. Jar - Unpres	NP
10	178279	Yes	NA	Yes	VOA Vial - Methanol	MeOH
10	178280	Yes	NA	Yes	VOA Vial - Methanol	MeOH
10	178303	Yes	NA	Yes	VOA Vial - Other	Other
10	178304	Yes	NA	Yes	VOA Vial - Other	Other
10	178325	Yes	NA	Yes	8 oz. Jar - Unpres	NP
10	178638	Yes	NA	Yes	2 oz. Jar - Unpres	NP
11	178277	Yes	NA	Yes	VOA Vial - Methanol	MeOH
11	178278	Yes	NA	Yes	VOA Vial - Methanol	MeOH
11	178301	Yes	NA	Yes	VOA Vial - Other	Other
11	178302	Yes	NA	Yes	VOA Vial - Other	Other
11	178324	Yes	NA	Yes	8 oz. Jar - Unpres	NP
11	178637	Yes	NA	Yes	2 oz. Jar - Unpres	NP
12	178636	Yes	NA	Yes	Other Glass - Unpres	NP
13	178852	Yes	NA	Yes	8 oz. Jar - Unpres	NP
13	178853	Yes	NA	Yes	VOA Vial - Methanol	MeOH

**2nd Review**

Are barcode labels on correct containers?

Yes /  No

Completed  
By: \_\_\_\_\_

Date & Time: \_\_\_\_\_

11/3/17 1404

Reviewed  
By: \_\_\_\_\_

Date & Time: \_\_\_\_\_

11/3/17 1513

Delivered  
By: \_\_\_\_\_

11/3/17 1513

Revised

ESS Laboratory  
 Division of Thielsch Engineering, Inc.  
 185 Frances Avenue, Cranston RI 02910  
 Tel: (401) 461-7181 Fax (401) 461-4486  
 www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 1711066

Reporting Limits

Electronic Deliverables  Unit Checker  Standard Excel  Other (Please Specify →)

Turn Time 5 Days Rush

Regulatory State MA

Is this project for any of the following?:  
 OCT RCP  OMA MCP  ORGP

Company Name  
 Wagon & Sampson  
 Contact Person  
 Despres  
 City  
 Providence  
 Telephone Number  
 1800 Sampson

Project # 9170709  
 Project Name Conkey Park  
 Address  
 State  
 Zip Code  
 PO #  
 FAX Number  
 Email Address  
 SPENCE J@wse-inc.com

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	Analysis
1	11/11	11:45	Grab	Soil	P-7 (6-8)	Analysis MIPM metals VPH w/ metals EPH w/ targets VDC
2	"	14:00	"	"	P-3 (8-10)	
3	"	13:20	"	"	P-3 (0-2)	
4	"	10:45	"	"	P-8 (0-2)	
5	"	12:15	"	"	P-5 (0-2)	
6	"	10:00	"	"	P-4 (5-7)	
7	"	9:45	"	"	P-4 (0-2)	
8	"	/	"	"	DUP	
9	11/2	8:00	"	"	WSE-1 (3-6)	
10	"	9:00	"	"	WSE-2 (0-3)	

Container Type: AC-Air Cassette AG-Amber Glass B-BOD Botte C-Cubitalner G-Glass O-Other P-Poly S-Sterile V-Vial

Container Volume: 1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other

Preservation Code: 1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAc, NaOH 9-NH4Cl 10-DI H2O 11-Other

Number of Containers per Sample:

Laboratory Use Only


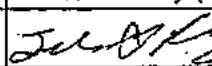
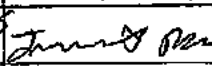

Cooler Present:

Seals Intact:

Cooler Temperature: °C ice temp: 3.5

Sampled by:

Comments: Please specify "Other" preservative and containers types in this space  
 Sample 13 added + analysis added for Disposal Char. sample on 11/3/12

Relinquished by: (Signature, Date & Time)  2:45 11/3	Received By: (Signature, Date & Time)  11/2/17 14:48	Relinquished By: (Signature, Date & Time)  11/2/17 17:37	Received By: (Signature, Date & Time)  11/2/17 21:13
Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)

Revised

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 www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 711066

Turn Time 5 Day E: 3:30  
 Regulatory State MA  
 Is this project for any of the following?:  
 OCT RCP  MA MCP  ORGP

Reporting Limits  
 Electronic  Limit Checker  Standard Excel  
 Deliverables  Other: (Please Specify →)

Company Name Wesley + Sampson Project # 2170209 Project Name CONWAY PARK  
 Contact Person Joe Spera Address  
 City Providence State Zip Code PO #  
 Telephone Number 1800Sampson FAX Number Email Address SPERAJ@WSEINC.COM

Analysis	Aspirin Metals	VOC's	SVOC's	PH	COND
	X	X	X	X	X

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID
11	11/2	11:00	grab	Soil	WSE-7 (6-8)
12	"	—	Composite	Soil	DISPOSAL (check notation)
13	11/17	0950	Soil		WSE-8 (11-13)

Container Type: AC-Air Cassette AG-Amber Glass B-BOD Bottle C-Cubitainer G - Glass J-Other P-Poly S-Sterile V-Vial  
 Container Volume: 1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-oz 9-4 oz 10-8 oz 11-Other\*  
 Preservation Code: 1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAc2, NaOH 9-NH4Cl 10-DI H2O 11-Other\*  
 Number of Containers per Sample:

Laboratory Use Only  
 Cooler Present: yes  
 Seals Intact: intact  
 Cooler Temperature: 3.5 °C ice temp!

Sampled by:  
 Comments: Please specify "Other" preservative and containers types in this space  
Sample 13 added + analysis added for DISPOSAL char. no VOC rec. cancel voc. mkm 11/10/17  
11/17

Relinquished by: (Signature, Date & Time) <u>[Signature]</u> 2:45 11/2	Received By: (Signature, Date & Time) <u>[Signature]</u> 11/2/17 11:48	Relinquished By: (Signature, Date & Time) <u>[Signature]</u> 11/2/17 12:36	Received By: (Signature, Date & Time) <u>[Signature]</u> 11/2/17 2:13
Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)

Revised

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 www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 1711066

Reporting Limits

Electronic Deliverables  Unit Checker  Standard Excel  Other (Please Specify →)

Turn Time 5 Days Rush

Regulatory State MA

Is this project for any of the following?:  
 OCT RCP  OMA MCP  ORGP

Company Name Wilson & Sampson  
 Contact Person Despreux  
 City Providence  
 Telephone Number 1800 Sampson

Project # 9170709  
 Project Name Conkey Park  
 Address  
 State Zip Code PO #  
 FAX Number  
 Email Address SPENCE J@wse-inc.com

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID
1	11/14	11:45	Grab	Soil	P-7 (6-8)
2	"	14:00	"	"	P-3 (8-10)
3	"	13:20	"	"	P-3 (0-2)
4	"	10:45	"	"	P-8 (0-2)
5	"	12:15	"	"	P-5 (0-2)
6	"	10:00	"	"	P-4 (5-7)
7	"	9:45	"	"	P-4 (0-2)
8	"	/	"	"	DUP
9	11/2	8:00	"	"	WSE-1 (3-6)
10	"	9:00	"	"	WSE-2 (0-3)

Analysis

MIPM metals  
 VPH w/ metals  
 EPH w/ metals  
 VDC

Container Type: AC-Air Cassette AG-Amber Glass B-BOD Botte C-Cubitalner G-Glass O-Other P-Poly S-Sterile V-Vial

Container Volume: 1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other

Preservation Code: 1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAc, NaOH 9-NH4Cl 10-DI H2O 11-Other

Number of Containers per Sample:

Laboratory Use Only

Cooler Present:

Seals Intact:

Cooler Temperature: °C ice temp: 3.5

Sampled by:

Comments: Please specify "Other" preservative and containers types in this space  
 Sample 13 added + analysis added for Disposal Char. sample on 11/3/12

Relinquished by: (Signature, Date & Time) 2:45 11/3	Received By: (Signature, Date & Time) 11/2/17 14:48	Relinquished By: (Signature, Date & Time) 11/2/17 17:37	Received By: (Signature, Date & Time) 11/2/17 21:13
Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)





*CERTIFICATE OF ANALYSIS*

Joe Spencer  
Weston & Sampson Engineers, Inc.  
5 Centennial Drive  
Peabody, MA 01960

**RE: Conway Park (9170709)**  
**ESS Laboratory Work Order Number: 1711067**

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard  
Laboratory Director

**REVIEWED**  
*By ESS Laboratory at 5:39 pm, Nov 10, 2017*

**Analytical Summary**

The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711067

**SAMPLE RECEIPT**

The following samples were received on November 02, 2017 for the analyses specified on the enclosed Chain of Custody Record.

To achieve CAM compliance for MCP data, ESS Laboratory has reviewed all QA/QC Requirements and Performance Standards listed in each method. Holding times and preservation have also been reviewed. All CAM requirements have been performed and achieved unless noted in the project narrative.

Each method has been set-up in the laboratory to reach required MCP standards. The methods for aqueous VOA and Soil Methanol VOA have known limitations for certain analytes. The regulatory standards may not be achieved due to these limitations. In addition, for all methods, matrix interferences, dilutions, and %Solids may elevate method reporting limits above regulatory standards. ESS Laboratory can provide, upon request, a Limit Checker (regulatory standard comparison spreadsheet) electronic deliverable which will highlight these exceedances.

**Low Level VOA vials were frozen by ESS Laboratory on November 2, 2017 at 23:05.**

Lab Number	Sample Name	Matrix	Analysis
1711067-01	P-1 6-8	Soil	6010C, 6020A, 7471B, 8260B Low, EPH8270, MADEP-EPH, MADEP-VPH
1711067-02	P-6 0-2	Soil	6010C, 6020A, 7471B, 8260B Low, EPH8270, MADEP-EPH, MADEP-VPH
1711067-03	P-5 3-5	Soil	6010C, 6020A, 7471B, 8260B Low, EPH8270, MADEP-EPH, MADEP-VPH
1711067-04	P-1 0-2	Soil	6010C, 6020A, 7471B, 8260B Low, EPH8270, MADEP-EPH, MADEP-VPH
1711067-05	P-2 0-2	Soil	6010C, 6020A, 7471B, 8260B Low, EPH8270, MADEP-EPH, MADEP-VPH
1711067-06	P-8 3-5	Soil	6010C, 6020A, 7471B, 8260B Low, EPH8270, MADEP-EPH, MADEP-VPH
1711067-07	P-2 13-15	Soil	6010C, 6020A, 7471B, 8260B Low, EPH8270, MADEP-EPH, MADEP-VPH
1711067-08	P-6 8-10	Soil	6010C, 6020A, 7471B, 8260B Low, EPH8270, MADEP-EPH, MADEP-VPH
1711067-09	P-7 0-2	Soil	6010C, 6020A, 7471B, 8260B Low, EPH8270, MADEP-EPH, MADEP-VPH



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
 Client Project ID: Conway Park

ESS Laboratory Work Order: 1711067

**PROJECT NARRATIVE**

**MADEP-EPH Extractable Petroleum Hydrocarbons**

- C7K0056-CCV4 [Continuing Calibration %Diff/Drift is below control limit \(CD-\).](#)  
 Benzo(g,h,i)perylene (31% @ 20%)
- C7K0082-CCV2 [Continuing Calibration %Diff/Drift is below control limit \(CD-\).](#)  
 Benzo(g,h,i)perylene (40% @ 20%), Dibenzo(a,h)Anthracene (30% @ 20%), Indeno(1,2,3-cd)Pyrene (29% @ 20%)
- C7K0136-CCV2 [Continuing Calibration %Diff/Drift is below control limit \(CD-\).](#)  
 Benzo(g,h,i)perylene (38% @ 20%), Dibenzo(a,h)Anthracene (27% @ 20%), Indeno(1,2,3-cd)Pyrene (29% @ 20%)
- C7K0156-CCV4 [Continuing Calibration %Diff/Drift is above control limit \(CD+\).](#)  
 Naphthalene (26% @ 20%)
- C7K0156-CCV4 [Continuing Calibration %Diff/Drift is below control limit \(CD-\).](#)  
 Benzo(a)pyrene (22% @ 20%), Benzo(g,h,i)perylene (24% @ 20%), Dibenzo(a,h)Anthracene (24% @ 20%), Indeno(1,2,3-cd)Pyrene (22% @ 20%)

**No other observations noted.**

**End of Project Narrative.**

**DATA USABILITY LINKS**

*To ensure you are viewing the most current version of the documents below, please clear your internet cookies for [www.ESSLaboratory.com](http://www.ESSLaboratory.com). Consult your IT Support personnel for information on how to clear your internet cookies.*

[Definitions of Quality Control Parameters](#)

[Semivolatile Organics Internal Standard Information](#)

[Semivolatile Organics Surrogate Information](#)

[Volatile Organics Internal Standard Information](#)

[Volatile Organics Surrogate Information](#)

[EPH and VPH Alkane Lists](#)





*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711067

**CURRENT SW-846 METHODOLOGY VERSIONS**

**Analytical Methods**

- 1010A - Flashpoint
- 6010C - ICP
- 6020A - ICP MS
- 7010 - Graphite Furnace
- 7196A - Hexavalent Chromium
- 7470A - Aqueous Mercury
- 7471B - Solid Mercury
- 8011 - EDB/DBCP/TCP
- 8015C - GRO/DRO
- 8081B - Pesticides
- 8082A - PCB
- 8100M - TPH
- 8151A - Herbicides
- 8260B - VOA
- 8270D - SVOA
- 8270D SIM - SVOA Low Level
- 9014 - Cyanide
- 9038 - Sulfate
- 9040C - Aqueous pH
- 9045D - Solid pH (Corrosivity)
- 9050A - Specific Conductance
- 9056A - Anions (IC)
- 9060A - TOC
- 9095B - Paint Filter
- MADEP 04-1.1 - EPH / VPH

**Prep Methods**

- 3005A - Aqueous ICP Digestion
- 3020A - Aqueous Graphite Furnace / ICP MS Digestion
- 3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
- 3060A - Solid Hexavalent Chromium Digestion
- 3510C - Separatory Funnel Extraction
- 3520C - Liquid / Liquid Extraction
- 3540C - Manual Soxhlet Extraction
- 3541 - Automated Soxhlet Extraction
- 3546 - Microwave Extraction
- 3580A - Waste Dilution
- 5030B - Aqueous Purge and Trap
- 5030C - Aqueous Purge and Trap
- 5035 - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711067

**MassDEP Analytical Protocol Certification Form**

MADEP RTN: \_\_\_\_\_

This form provides certification for the following data set: **1711067-01 through 1711067-09**

Matrices: ( ) Ground Water/Surface Water    (X) Soil/Sediment    ( ) Drinking Water    ( ) Air    ( ) Other: \_\_\_\_\_

**CAM Protocol** (check all that apply below):

- |                              |                               |   |                                |   |                                    |
|------------------------------|-------------------------------|---|--------------------------------|---|------------------------------------|
| (X) 8260 VOC<br>CAM II A     | (X) 7470/7471 Hg<br>CAM III B | (X) MassDEP VPH<br>(GC/PID/FID)<br>CAM IV A | ( ) 8082 PCB<br>CAM V A        | ( ) 9014 Total<br>Cyanide/PAC<br>CAM VI A | ( ) 6860 Perchlorate<br>CAM VIII B |
| ( ) 8270 SVOC<br>CAM II B    | ( ) 7010 Metals<br>CAM III C  | ( ) MassDEP VPH<br>(GC/MS)<br>CAM IV B      | ( ) 8081 Pesticides<br>CAM V C | ( ) 7196 Hex Cr<br>CAM VI B               | ( ) MassDEP APH<br>CAM IX A        |
| (X) 6010 Metals<br>CAM III A | (X) 6020 Metals<br>CAM III D  | (X) MassDEP EPH<br>CAM IV B                 | ( ) 8151 Herbicides<br>CAM V C | ( ) Explosives<br>CAM VIII A              | ( ) TO-15 VOC<br>CAM IX B          |

***Affirmative responses to questions A through F are required for "Presumptive Certainty" status***

- |   |   |                |
|---|---|----------------|
| A | Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times? | Yes (X) No ( ) |
| B | Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?  | Yes (X) No ( ) |
| C | Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?  | Yes (X) No ( ) |
| D | Does the laboratory report comply with all the reporting requirements specified in the CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?                  | Yes (X) No ( ) |
| E | VPH, EPH, APH and TO-15 only: a. Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).  | Yes (X) No ( ) |
|   | b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?  | Yes ( ) No ( ) |
| F | Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?                                   | Yes (X) No ( ) |

***Responses to Questions G, H and I below are required for "Presumptive Certainty" status***

- |   |   |                 |
|---|---|-----------------|
| G | Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocols(s)?<br><b><i>Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.</i></b> | Yes (X) No ( )* |
| H | Were <b>all</b> QC performance standards specified in the CAM protocol(s) achieved?   | Yes ( ) No (X)* |
| I | Were results reported for the complete analyte list specified in the selected CAM protocol(s)?  | Yes (X) No ( )* |

***\*All negative responses must be addressed in an attached laboratory narrative.***

***I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.***

Signature: Laurel Stoddard  
Printed Name: Laurel Stoddard

Date: November 10, 2017  
Position: Laboratory Director



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-1 6-8  
Date Sampled: 10/31/17 15:30  
Percent Solids: 89

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-01  
Sample Matrix: Soil  
Units: mg/kg dry

Extraction Method: 3050B

**Total Metals**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Antimony	1.78 (0.47)		6020A		20	NAR	11/07/17 15:43	2.37	100	CK70260
Arsenic	7.28 (2.37)		6010C		1	KJK	11/04/17 22:41	2.37	100	CK70260
Barium	630 (2.37)		6010C		1	KJK	11/04/17 22:41	2.37	100	CK70260
Beryllium	0.24 (0.10)		6010C		1	KJK	11/04/17 22:41	2.37	100	CK70260
Cadmium	1.56 (0.47)		6010C		1	KJK	11/04/17 22:41	2.37	100	CK70260
Chromium	15.9 (0.95)		6010C		1	KJK	11/04/17 22:41	2.37	100	CK70260
Lead	1490 (4.73)		6010C		1	KJK	11/04/17 22:41	2.37	100	CK70260
Mercury	1.35 (0.541)		7471B		20	MJV	11/06/17 15:07	0.82	40	CK70348
Nickel	11.0 (2.37)		6010C		1	KJK	11/04/17 22:41	2.37	100	CK70260
Selenium	0.73 (0.47)		6020A		20	NAR	11/07/17 15:43	2.37	100	CK70260
Silver	0.51 (0.47)		6010C		1	KJK	11/04/17 22:41	2.37	100	CK70260
Thallium	ND (0.47)		6020A		20	NAR	11/07/17 15:43	2.37	100	CK70260
Vanadium	11.3 (0.95)		6010C		1	KJK	11/04/17 22:41	2.37	100	CK70260
Zinc	593 (2.37)		6010C		1	KJK	11/04/17 22:41	2.37	100	CK70260



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-1 6-8  
Date Sampled: 10/31/17 15:30  
Percent Solids: 89  
Initial Volume: 5.1  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-01  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1,1,2-Tetrachloroethane	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
1,1,1-Trichloroethane	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
1,1,2,2-Tetrachloroethane	ND (0.0022)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
1,1,2-Trichloroethane	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
1,1-Dichloroethane	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
1,1-Dichloroethene	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
1,1-Dichloropropene	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
1,2,3-Trichlorobenzene	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
1,2,3-Trichloropropane	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
1,2,4-Trichlorobenzene	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
1,2,4-Trimethylbenzene	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
1,2-Dibromo-3-Chloropropane	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
1,2-Dibromoethane	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
1,2-Dichlorobenzene	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
1,2-Dichloroethane	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
1,2-Dichloropropane	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
1,3,5-Trimethylbenzene	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
1,3-Dichlorobenzene	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
1,3-Dichloropropane	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
1,4-Dichlorobenzene	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
1,4-Dioxane	ND (0.110)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
2,2-Dichloropropane	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
2-Butanone	ND (0.0110)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
2-Chlorotoluene	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
2-Hexanone	ND (0.0110)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
4-Chlorotoluene	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
4-Isopropyltoluene	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
4-Methyl-2-Pentanone	ND (0.0110)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
Acetone	ND (0.0110)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
Benzene	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
Bromobenzene	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
Bromochloromethane	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-1 6-8  
Date Sampled: 10/31/17 15:30  
Percent Solids: 89  
Initial Volume: 5.1  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-01  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Bromodichloromethane	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
Bromoform	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
Bromomethane	ND (0.0110)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
Carbon Disulfide	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
Carbon Tetrachloride	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
Chlorobenzene	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
Chloroethane	ND (0.0110)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
Chloroform	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
Chloromethane	ND (0.0110)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
cis-1,2-Dichloroethene	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
cis-1,3-Dichloropropene	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
Dibromochloromethane	ND (0.0022)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
Dibromomethane	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
Dichlorodifluoromethane	ND (0.0110)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
Diethyl Ether	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
Di-isopropyl ether	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
Ethyl tertiary-butyl ether	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
Ethylbenzene	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
Hexachlorobutadiene	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
Isopropylbenzene	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
Methyl tert-Butyl Ether	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
Methylene Chloride	ND (0.0110)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
Naphthalene	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
n-Butylbenzene	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
n-Propylbenzene	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
sec-Butylbenzene	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
Styrene	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
tert-Butylbenzene	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
Tertiary-amyl methyl ether	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
Tetrachloroethene	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
Tetrahydrofuran	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
Toluene	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
 Client Project ID: Conway Park  
 Client Sample ID: P-1 6-8  
 Date Sampled: 10/31/17 15:30  
 Percent Solids: 89  
 Initial Volume: 5.1  
 Final Volume: 10  
 Extraction Method: 5035

ESS Laboratory Work Order: 1711067  
 ESS Laboratory Sample ID: 1711067-01  
 Sample Matrix: Soil  
 Units: mg/kg dry  
 Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
trans-1,2-Dichloroethene	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
trans-1,3-Dichloropropene	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
Trichloroethene	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
Trichlorofluoromethane	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
Vinyl Chloride	ND (0.0110)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
Xylene O	ND (0.0055)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
Xylene P,M	ND (0.0110)		8260B Low		1	11/07/17 19:14	C7K0124	CK70753
Xylenes (Total)	ND (0.0110)		8260B Low		1	11/07/17 19:14		[CALC]

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>	97 %		70-130
<i>Surrogate: 4-Bromofluorobenzene</i>	94 %		70-130
<i>Surrogate: Dibromofluoromethane</i>	96 %		70-130
<i>Surrogate: Toluene-d8</i>	99 %		70-130



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-1 6-8  
Date Sampled: 10/31/17 15:30  
Percent Solids: 89  
Initial Volume: 25  
Final Volume: 2  
Extraction Method: 3546

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-01  
Sample Matrix: Soil  
Units: mg/kg dry  
  
Prepared: 11/3/17 10:55

**MADEP-EPH Extractable Petroleum Hydrocarbons**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
C9-C18 Aliphatics1	ND (33.6)		MADEP-EPH		1	ZLC	11/07/17 12:12	C7K0079	CK70307
<b>C19-C36 Aliphatics1</b>	<b>60.2</b> (33.6)		MADEP-EPH		1	ZLC	11/07/17 12:12	C7K0079	CK70307
<b>C11-C22 Unadjusted Aromatics1</b>	<b>193</b> (33.6)		EPH8270		1	ZLC	11/09/17 2:07	C7K0136	CK70307
<b>C11-C22 Aromatics1,2</b>	<b>159</b> (33.6)		EPH8270			ZLC	11/09/17 2:07		[CALC]
2-Methylnaphthalene	ND (0.45)		EPH8270		1	ZLC	11/09/17 2:07	C7K0136	CK70307
Acenaphthene	ND (0.90)		EPH8270		1	ZLC	11/09/17 2:07	C7K0136	CK70307
Naphthalene	ND (0.90)		EPH8270		1	ZLC	11/09/17 2:07	C7K0136	CK70307
<b>Phenanthrene</b>	<b>4.60</b> (0.90)		EPH8270		1	ZLC	11/09/17 2:07	C7K0136	CK70307
Acenaphthylene	ND (0.45)		EPH8270		1	ZLC	11/09/17 2:07	C7K0136	CK70307
<b>Anthracene</b>	<b>1.02</b> (0.90)		EPH8270		1	ZLC	11/09/17 2:07	C7K0136	CK70307
<b>Benzo(a)anthracene</b>	<b>3.38</b> (0.90)		EPH8270		1	ZLC	11/09/17 2:07	C7K0136	CK70307
<b>Benzo(a)pyrene</b>	<b>2.75</b> (0.90)		EPH8270		1	ZLC	11/09/17 2:07	C7K0136	CK70307
<b>Benzo(b)fluoranthene</b>	<b>3.95</b> (0.90)		EPH8270		1	ZLC	11/09/17 2:07	C7K0136	CK70307
<b>Benzo(g,h,i)perylene</b>	<b>0.94</b> (0.90)		EPH8270		1	ZLC	11/09/17 2:07	C7K0136	CK70307
<b>Benzo(k)fluoranthene</b>	<b>1.23</b> (0.90)		EPH8270		1	ZLC	11/09/17 2:07	C7K0136	CK70307
<b>Chrysene</b>	<b>3.44</b> (0.90)		EPH8270		1	ZLC	11/09/17 2:07	C7K0136	CK70307
Dibenzo(a,h)Anthracene	ND (0.45)		EPH8270		1	ZLC	11/09/17 2:07	C7K0136	CK70307
<b>Fluoranthene</b>	<b>5.94</b> (0.90)		EPH8270		1	ZLC	11/09/17 2:07	C7K0136	CK70307
Fluorene	ND (0.90)		EPH8270		1	ZLC	11/09/17 2:07	C7K0136	CK70307
<b>Indeno(1,2,3-cd)Pyrene</b>	<b>1.18</b> (0.90)		EPH8270		1	ZLC	11/09/17 2:07	C7K0136	CK70307
<b>Pyrene</b>	<b>5.55</b> (0.90)		EPH8270		1	ZLC	11/09/17 2:07	C7K0136	CK70307

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1-Chlorooctadecane</i>	69 %		40-140
<i>Surrogate: 2-Bromonaphthalene</i>	79 %		40-140
<i>Surrogate: 2-Fluorobiphenyl</i>	86 %		40-140
<i>Surrogate: O-Terphenyl</i>	68 %		40-140





*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-1 6-8  
Date Sampled: 10/31/17 15:30  
Percent Solids: 89  
Initial Volume: 15.5  
Final Volume: 15  
Extraction Method: 5035

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-01  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**MADEP-VPH Volatile Petroleum Hydrocarbon**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
C9-C10 Aromatics	ND (12.1)		MADEP-VPH		1	11/03/17 21:07	C7K0051	CK70319
C5-C8 Aliphatics 1,2	ND (12.1)		MADEP-VPH		1	11/03/17 21:07		[CALC]
C9-C12 Aliphatics 2,3	ND (12.1)		MADEP-VPH		1	11/03/17 21:07		[CALC]
Benzene	ND (0.24)		MADEP-VPH		1	11/03/17 21:07	C7K0051	CK70319
Ethylbenzene	ND (0.24)		MADEP-VPH		1	11/03/17 21:07	C7K0051	CK70319
Methyl tert-Butyl Ether	ND (0.06)		MADEP-VPH		1	11/03/17 21:07	C7K0051	CK70319
Naphthalene	ND (0.24)		MADEP-VPH		1	11/03/17 21:07	C7K0051	CK70319
Toluene	ND (0.24)		MADEP-VPH		1	11/03/17 21:07	C7K0051	CK70319
Xylene O	ND (0.24)		MADEP-VPH		1	11/03/17 21:07	C7K0051	CK70319
Xylene P,M	ND (0.48)		MADEP-VPH		1	11/03/17 21:07	C7K0051	CK70319
<b>1:1 Methanol/Soil Ratio %D</b>	<b>3 (N/A)</b>		MADEP-VPH			11/03/17 7:40		CK70319
<b>Preservative:</b>	<b>MeOH - covered</b>		MADEP-VPH					CK70319

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 2,5-Dibromotoluene - FID</i>	<i>100 %</i>		<i>70-130</i>
<i>Surrogate: 2,5-Dibromotoluene - PID</i>	<i>98 %</i>		<i>70-130</i>
<i>Surrogate: Trifluorotoluene - FID</i>	<i>107 %</i>		<i>70-130</i>
<i>Surrogate: Trifluorotoluene - PID</i>	<i>109 %</i>		<i>70-130</i>





*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-6 0-2  
Date Sampled: 10/31/17 13:00  
Percent Solids: 86

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-02  
Sample Matrix: Soil  
Units: mg/kg dry

Extraction Method: 3050B

**Total Metals**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Antimony	1.28 (0.57)		6020A		20	NAR	11/07/17 15:50	2.02	100	CK70260
Arsenic	8.57 (2.87)		6010C		1	KJK	11/04/17 22:45	2.02	100	CK70260
Barium	40.2 (2.87)		6010C		1	KJK	11/04/17 22:45	2.02	100	CK70260
Beryllium	0.36 (0.13)		6010C		1	KJK	11/04/17 22:45	2.02	100	CK70260
Cadmium	ND (0.57)		6010C		1	KJK	11/04/17 22:45	2.02	100	CK70260
Chromium	14.8 (1.15)		6010C		1	KJK	11/04/17 22:45	2.02	100	CK70260
Lead	217 (5.74)		6010C		1	KJK	11/04/17 22:45	2.02	100	CK70260
Mercury	0.326 (0.034)		7471B		1	MJV	11/06/17 13:43	0.67	40	CK70348
Nickel	19.2 (2.87)		6010C		1	KJK	11/04/17 22:45	2.02	100	CK70260
Selenium	ND (0.57)		6020A		20	NAR	11/07/17 15:50	2.02	100	CK70260
Silver	ND (0.57)		6010C		1	KJK	11/04/17 22:45	2.02	100	CK70260
Thallium	ND (0.57)		6020A		20	NAR	11/07/17 15:50	2.02	100	CK70260
Vanadium	21.9 (1.15)		6010C		1	KJK	11/04/17 22:45	2.02	100	CK70260
Zinc	269 (2.87)		6010C		1	KJK	11/04/17 22:45	2.02	100	CK70260



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-6 0-2  
Date Sampled: 10/31/17 13:00  
Percent Solids: 86  
Initial Volume: 5.5  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-02  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1,1,2-Tetrachloroethane	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
1,1,1-Trichloroethane	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
1,1,2,2-Tetrachloroethane	ND (0.0021)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
1,1,2-Trichloroethane	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
1,1-Dichloroethane	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
1,1-Dichloroethene	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
1,1-Dichloropropene	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
1,2,3-Trichlorobenzene	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
1,2,3-Trichloropropane	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
1,2,4-Trichlorobenzene	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
1,2,4-Trimethylbenzene	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
1,2-Dibromo-3-Chloropropane	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
1,2-Dibromoethane	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
1,2-Dichlorobenzene	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
1,2-Dichloroethane	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
1,2-Dichloropropane	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
1,3,5-Trimethylbenzene	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
1,3-Dichlorobenzene	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
1,3-Dichloropropane	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
1,4-Dichlorobenzene	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
1,4-Dioxane	ND (0.105)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
2,2-Dichloropropane	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
2-Butanone	ND (0.0105)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
2-Chlorotoluene	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
2-Hexanone	ND (0.0105)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
4-Chlorotoluene	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
4-Isopropyltoluene	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
4-Methyl-2-Pentanone	ND (0.0105)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
Acetone	ND (0.0105)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
Benzene	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
Bromobenzene	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
Bromochloromethane	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-6 0-2  
Date Sampled: 10/31/17 13:00  
Percent Solids: 86  
Initial Volume: 5.5  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-02  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Bromodichloromethane	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
Bromoform	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
Bromomethane	ND (0.0105)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
Carbon Disulfide	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
Carbon Tetrachloride	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
Chlorobenzene	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
Chloroethane	ND (0.0105)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
Chloroform	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
Chloromethane	ND (0.0105)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
cis-1,2-Dichloroethene	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
cis-1,3-Dichloropropene	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
Dibromochloromethane	ND (0.0021)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
Dibromomethane	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
Dichlorodifluoromethane	ND (0.0105)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
Diethyl Ether	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
Di-isopropyl ether	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
Ethyl tertiary-butyl ether	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
Ethylbenzene	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
Hexachlorobutadiene	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
Isopropylbenzene	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
Methyl tert-Butyl Ether	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
Methylene Chloride	ND (0.0105)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
Naphthalene	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
n-Butylbenzene	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
n-Propylbenzene	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
sec-Butylbenzene	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
Styrene	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
tert-Butylbenzene	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
Tertiary-amyl methyl ether	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
Tetrachloroethene	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
Tetrahydrofuran	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
Toluene	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-6 0-2  
Date Sampled: 10/31/17 13:00  
Percent Solids: 86  
Initial Volume: 5.5  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-02  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
trans-1,2-Dichloroethene	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
trans-1,3-Dichloropropene	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
Trichloroethene	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
Trichlorofluoromethane	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
Vinyl Chloride	ND (0.0105)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
Xylene O	ND (0.0053)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
Xylene P,M	ND (0.0105)		8260B Low		1	11/07/17 19:40	C7K0124	CK70753
Xylenes (Total)	ND (0.0105)		8260B Low		1	11/07/17 19:40		[CALC]

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>	98 %		70-130
<i>Surrogate: 4-Bromofluorobenzene</i>	98 %		70-130
<i>Surrogate: Dibromofluoromethane</i>	95 %		70-130
<i>Surrogate: Toluene-d8</i>	97 %		70-130



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-6 0-2  
Date Sampled: 10/31/17 13:00  
Percent Solids: 86  
Initial Volume: 24.5  
Final Volume: 1  
Extraction Method: 3546

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-02  
Sample Matrix: Soil  
Units: mg/kg dry  
  
Prepared: 11/3/17 10:55

**MADEP-EPH Extractable Petroleum Hydrocarbons**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
C9-C18 Aliphatics1	ND (17.8)		MADEP-EPH		1	ZLC	11/06/17 19:47	C7K0080	CK70307
C19-C36 Aliphatics1	ND (17.8)		MADEP-EPH		1	ZLC	11/06/17 19:47	C7K0080	CK70307
<b>C11-C22 Unadjusted Aromatics1</b>	<b>79.6</b> (17.8)		EPH8270		1	VSC	11/06/17 20:06	C7K0082	CK70307
<b>C11-C22 Aromatics1,2</b>	<b>61.8</b> (17.8)		EPH8270			VSC	11/06/17 20:06		[CALC]
2-Methylnaphthalene	ND (0.24)		EPH8270		1	VSC	11/06/17 20:06	C7K0082	CK70307
Acenaphthene	ND (0.47)		EPH8270		1	VSC	11/06/17 20:06	C7K0082	CK70307
Naphthalene	ND (0.47)		EPH8270		1	VSC	11/06/17 20:06	C7K0082	CK70307
<b>Phenanthrene</b>	<b>2.22</b> (0.47)		EPH8270		1	VSC	11/06/17 20:06	C7K0082	CK70307
Acenaphthylene	ND (0.24)		EPH8270		1	VSC	11/06/17 20:06	C7K0082	CK70307
<b>Anthracene</b>	<b>0.56</b> (0.47)		EPH8270		1	VSC	11/06/17 20:06	C7K0082	CK70307
<b>Benzo(a)anthracene</b>	<b>1.51</b> (0.47)		EPH8270		1	VSC	11/06/17 20:06	C7K0082	CK70307
<b>Benzo(a)pyrene</b>	<b>1.55</b> (0.47)		EPH8270		1	VSC	11/06/17 20:06	C7K0082	CK70307
<b>Benzo(b)fluoranthene</b>	<b>2.01</b> (0.47)		EPH8270		1	VSC	11/06/17 20:06	C7K0082	CK70307
<b>Benzo(g,h,i)perylene</b>	<b>0.98</b> (0.47)		EPH8270		1	VSC	11/06/17 20:06	C7K0082	CK70307
<b>Benzo(k)fluoranthene</b>	<b>0.70</b> (0.47)		EPH8270		1	VSC	11/06/17 20:06	C7K0082	CK70307
<b>Chrysene</b>	<b>1.54</b> (0.47)		EPH8270		1	VSC	11/06/17 20:06	C7K0082	CK70307
<b>Dibenzo(a,h)Anthracene</b>	<b>0.26</b> (0.24)		EPH8270		1	VSC	11/06/17 20:06	C7K0082	CK70307
<b>Fluoranthene</b>	<b>2.86</b> (0.47)		EPH8270		1	VSC	11/06/17 20:06	C7K0082	CK70307
Fluorene	ND (0.47)		EPH8270		1	VSC	11/06/17 20:06	C7K0082	CK70307
<b>Indeno(1,2,3-cd)Pyrene</b>	<b>1.14</b> (0.47)		EPH8270		1	VSC	11/06/17 20:06	C7K0082	CK70307
<b>Pyrene</b>	<b>2.50</b> (0.47)		EPH8270		1	VSC	11/06/17 20:06	C7K0082	CK70307

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1-Chlorooctadecane</i>	80 %		40-140
<i>Surrogate: 2-Bromonaphthalene</i>	82 %		40-140
<i>Surrogate: 2-Fluorobiphenyl</i>	77 %		40-140
<i>Surrogate: O-Terphenyl</i>	78 %		40-140



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-6 0-2  
Date Sampled: 10/31/17 13:00  
Percent Solids: 86  
Initial Volume: 14.6  
Final Volume: 15  
Extraction Method: 5035

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-02  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**MADEP-VPH Volatile Petroleum Hydrocarbon**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
C9-C10 Aromatics	ND (13.5)		MADEP-VPH		1	11/03/17 21:40	C7K0051	CK70319
C5-C8 Aliphatics 1,2	ND (13.5)		MADEP-VPH		1	11/03/17 21:40		[CALC]
C9-C12 Aliphatics 2,3	ND (13.5)		MADEP-VPH		1	11/03/17 21:40		[CALC]
Benzene	ND (0.27)		MADEP-VPH		1	11/03/17 21:40	C7K0051	CK70319
Ethylbenzene	ND (0.27)		MADEP-VPH		1	11/03/17 21:40	C7K0051	CK70319
Methyl tert-Butyl Ether	ND (0.07)		MADEP-VPH		1	11/03/17 21:40	C7K0051	CK70319
Naphthalene	ND (0.27)		MADEP-VPH		1	11/03/17 21:40	C7K0051	CK70319
Toluene	ND (0.27)		MADEP-VPH		1	11/03/17 21:40	C7K0051	CK70319
Xylene O	ND (0.27)		MADEP-VPH		1	11/03/17 21:40	C7K0051	CK70319
Xylene P,M	ND (0.54)		MADEP-VPH		1	11/03/17 21:40	C7K0051	CK70319
<b>1:1 Methanol/Soil Ratio %D</b>	<b>3 (N/A)</b>		MADEP-VPH			11/03/17 7:40		CK70319
<b>Preservative:</b>	<b>MeOH - covered</b>		MADEP-VPH					CK70319

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 2,5-Dibromotoluene - FID</i>	<i>100 %</i>		<i>70-130</i>
<i>Surrogate: 2,5-Dibromotoluene - PID</i>	<i>97 %</i>		<i>70-130</i>
<i>Surrogate: Trifluorotoluene - FID</i>	<i>111 %</i>		<i>70-130</i>
<i>Surrogate: Trifluorotoluene - PID</i>	<i>111 %</i>		<i>70-130</i>



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-5 3-5  
Date Sampled: 10/31/17 12:45  
Percent Solids: 87

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-03  
Sample Matrix: Soil  
Units: mg/kg dry

Extraction Method: 3050B

**Total Metals**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Antimony	1.73 (0.52)		6020A		20	NAR	11/07/17 15:57	2.2	100	CK70260
Arsenic	9.39 (2.62)		6010C		1	KJK	11/04/17 23:01	2.2	100	CK70260
Barium	135 (2.62)		6010C		1	KJK	11/04/17 23:01	2.2	100	CK70260
Beryllium	0.30 (0.12)		6010C		1	KJK	11/04/17 23:01	2.2	100	CK70260
Cadmium	1.75 (0.52)		6010C		1	KJK	11/04/17 23:01	2.2	100	CK70260
Chromium	13.1 (1.05)		6010C		1	KJK	11/04/17 23:01	2.2	100	CK70260
Lead	846 (5.24)		6010C		1	KJK	11/04/17 23:01	2.2	100	CK70260
Mercury	0.462 (0.027)		7471B		1	MJV	11/06/17 13:45	0.84	40	CK70348
Nickel	37.0 (2.62)		6010C		1	KJK	11/04/17 23:01	2.2	100	CK70260
Selenium	0.69 (0.52)		6020A		20	NAR	11/07/17 15:57	2.2	100	CK70260
Silver	0.62 (0.52)		6010C		1	KJK	11/04/17 23:01	2.2	100	CK70260
Thallium	ND (0.52)		6020A		20	NAR	11/07/17 15:57	2.2	100	CK70260
Vanadium	16.4 (1.05)		6010C		1	KJK	11/04/17 23:01	2.2	100	CK70260
Zinc	959 (2.62)		6010C		1	KJK	11/04/17 23:01	2.2	100	CK70260





*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-5 3-5  
Date Sampled: 10/31/17 12:45  
Percent Solids: 87  
Initial Volume: 4.4  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-03  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1,1,2-Tetrachloroethane	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
1,1,1-Trichloroethane	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
1,1,2,2-Tetrachloroethane	ND (0.0026)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
1,1,2-Trichloroethane	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
1,1-Dichloroethane	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
1,1-Dichloroethene	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
1,1-Dichloropropene	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
1,2,3-Trichlorobenzene	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
1,2,3-Trichloropropane	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
1,2,4-Trichlorobenzene	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
1,2,4-Trimethylbenzene	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
1,2-Dibromo-3-Chloropropane	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
1,2-Dibromoethane	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
1,2-Dichlorobenzene	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
1,2-Dichloroethane	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
1,2-Dichloropropane	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
1,3,5-Trimethylbenzene	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
1,3-Dichlorobenzene	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
1,3-Dichloropropane	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
1,4-Dichlorobenzene	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
1,4-Dioxane	ND (0.131)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
2,2-Dichloropropane	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
2-Butanone	ND (0.0131)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
2-Chlorotoluene	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
2-Hexanone	ND (0.0131)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
4-Chlorotoluene	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
4-Isopropyltoluene	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
4-Methyl-2-Pentanone	ND (0.0131)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
Acetone	ND (0.0131)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
Benzene	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
Bromobenzene	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
Bromochloromethane	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753





*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-5 3-5  
Date Sampled: 10/31/17 12:45  
Percent Solids: 87  
Initial Volume: 4.4  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-03  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Bromodichloromethane	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
Bromoform	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
Bromomethane	ND (0.0131)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
Carbon Disulfide	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
Carbon Tetrachloride	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
Chlorobenzene	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
Chloroethane	ND (0.0131)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
Chloroform	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
Chloromethane	ND (0.0131)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
cis-1,2-Dichloroethene	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
cis-1,3-Dichloropropene	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
Dibromochloromethane	ND (0.0026)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
Dibromomethane	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
Dichlorodifluoromethane	ND (0.0131)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
Diethyl Ether	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
Di-isopropyl ether	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
Ethyl tertiary-butyl ether	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
Ethylbenzene	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
Hexachlorobutadiene	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
Isopropylbenzene	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
Methyl tert-Butyl Ether	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
Methylene Chloride	ND (0.0131)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
Naphthalene	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
n-Butylbenzene	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
n-Propylbenzene	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
sec-Butylbenzene	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
Styrene	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
tert-Butylbenzene	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
Tertiary-amyl methyl ether	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
Tetrachloroethene	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
Tetrahydrofuran	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
Toluene	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-5 3-5  
Date Sampled: 10/31/17 12:45  
Percent Solids: 87  
Initial Volume: 4.4  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-03  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
trans-1,2-Dichloroethene	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
trans-1,3-Dichloropropene	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
Trichloroethene	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
Trichlorofluoromethane	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
Vinyl Chloride	ND (0.0131)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
Xylene O	ND (0.0065)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
Xylene P,M	ND (0.0131)		8260B Low		1	11/07/17 20:05	C7K0124	CK70753
Xylenes (Total)	ND (0.0131)		8260B Low		1	11/07/17 20:05		[CALC]

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>97 %</i>		<i>70-130</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>96 %</i>		<i>70-130</i>
<i>Surrogate: Dibromofluoromethane</i>	<i>96 %</i>		<i>70-130</i>
<i>Surrogate: Toluene-d8</i>	<i>99 %</i>		<i>70-130</i>



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-5 3-5  
Date Sampled: 10/31/17 12:45  
Percent Solids: 87  
Initial Volume: 24.7  
Final Volume: 3  
Extraction Method: 3546

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-03  
Sample Matrix: Soil  
Units: mg/kg dry

Prepared: 11/3/17 10:55

**MADEP-EPH Extractable Petroleum Hydrocarbons**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
C9-C18 Aliphatics1	ND (52.5)		MADEP-EPH		1	ZLC	11/06/17 20:29	C7K0080	CK70307
<b>C19-C36 Aliphatics1</b>	<b>276</b> (52.5)		MADEP-EPH		1	ZLC	11/06/17 20:29	C7K0080	CK70307
<b>C11-C22 Unadjusted Aromatics1</b>	<b>469</b> (52.5)		EPH8270		1	VSC	11/06/17 20:42	C7K0082	CK70307
<b>C11-C22 Aromatics1,2</b>	<b>403</b> (52.5)		EPH8270			VSC	11/06/17 20:42		[CALC]
<b>2-Methylnaphthalene</b>	<b>0.71</b> (0.70)		EPH8270		1	VSC	11/06/17 20:42	C7K0082	CK70307
Acenaphthene	ND (1.40)		EPH8270		1	VSC	11/06/17 20:42	C7K0082	CK70307
Naphthalene	ND (1.40)		EPH8270		1	VSC	11/06/17 20:42	C7K0082	CK70307
<b>Phenanthrene</b>	<b>8.13</b> (1.40)		EPH8270		1	VSC	11/06/17 20:42	C7K0082	CK70307
<b>Acenaphthylene</b>	<b>0.75</b> (0.70)		EPH8270		1	VSC	11/06/17 20:42	C7K0082	CK70307
Anthracene	ND (1.40)		EPH8270		1	VSC	11/06/17 20:42	C7K0082	CK70307
<b>Benzo(a)anthracene</b>	<b>5.76</b> (1.40)		EPH8270		1	VSC	11/06/17 20:42	C7K0082	CK70307
<b>Benzo(a)pyrene</b>	<b>5.34</b> (1.40)		EPH8270		1	VSC	11/06/17 20:42	C7K0082	CK70307
<b>Benzo(b)fluoranthene</b>	<b>7.57</b> (1.40)		EPH8270		1	VSC	11/06/17 20:42	C7K0082	CK70307
<b>Benzo(g,h,i)perylene</b>	<b>2.97</b> (1.40)		EPH8270		1	VSC	11/06/17 20:42	C7K0082	CK70307
<b>Benzo(k)fluoranthene</b>	<b>2.58</b> (1.40)		EPH8270		1	VSC	11/06/17 20:42	C7K0082	CK70307
<b>Chrysene</b>	<b>6.43</b> (1.40)		EPH8270		1	VSC	11/06/17 20:42	C7K0082	CK70307
<b>Dibenzo(a,h)Anthracene</b>	<b>0.80</b> (0.70)		EPH8270		1	VSC	11/06/17 20:42	C7K0082	CK70307
<b>Fluoranthene</b>	<b>11.1</b> (1.40)		EPH8270		1	VSC	11/06/17 20:42	C7K0082	CK70307
Fluorene	ND (1.40)		EPH8270		1	VSC	11/06/17 20:42	C7K0082	CK70307
<b>Indeno(1,2,3-cd)Pyrene</b>	<b>3.61</b> (1.40)		EPH8270		1	VSC	11/06/17 20:42	C7K0082	CK70307
<b>Pyrene</b>	<b>10.5</b> (1.40)		EPH8270		1	VSC	11/06/17 20:42	C7K0082	CK70307

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1-Chlorooctadecane</i>	95 %		40-140
<i>Surrogate: 2-Bromonaphthalene</i>	75 %		40-140
<i>Surrogate: 2-Fluorobiphenyl</i>	82 %		40-140
<i>Surrogate: O-Terphenyl</i>	82 %		40-140



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
 Client Project ID: Conway Park  
 Client Sample ID: P-5 3-5  
 Date Sampled: 10/31/17 12:45  
 Percent Solids: 87  
 Initial Volume: 14.4  
 Final Volume: 15  
 Extraction Method: 5035

ESS Laboratory Work Order: 1711067  
 ESS Laboratory Sample ID: 1711067-03  
 Sample Matrix: Soil  
 Units: mg/kg dry  
 Analyst: MEK

**MADEP-VPH Volatile Petroleum Hydrocarbon**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
C9-C10 Aromatics	ND (13.5)		MADEP-VPH		1	11/03/17 22:13	C7K0051	CK70319
C5-C8 Aliphatics 1,2	ND (13.5)		MADEP-VPH		1	11/03/17 22:13		[CALC]
C9-C12 Aliphatics 2,3	ND (13.5)		MADEP-VPH		1	11/03/17 22:13		[CALC]
Benzene	ND (0.27)		MADEP-VPH		1	11/03/17 22:13	C7K0051	CK70319
Ethylbenzene	ND (0.27)		MADEP-VPH		1	11/03/17 22:13	C7K0051	CK70319
Methyl tert-Butyl Ether	ND (0.07)		MADEP-VPH		1	11/03/17 22:13	C7K0051	CK70319
Naphthalene	ND (0.27)		MADEP-VPH		1	11/03/17 22:13	C7K0051	CK70319
Toluene	ND (0.27)		MADEP-VPH		1	11/03/17 22:13	C7K0051	CK70319
Xylene O	ND (0.27)		MADEP-VPH		1	11/03/17 22:13	C7K0051	CK70319
Xylene P,M	ND (0.54)		MADEP-VPH		1	11/03/17 22:13	C7K0051	CK70319
<b>1:1 Methanol/Soil Ratio %D</b>	<b>4 (N/A)</b>		MADEP-VPH			11/03/17 7:40		CK70319
<b>Preservative:</b>	<b>MeOH - covered</b>		MADEP-VPH					CK70319

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 2,5-Dibromotoluene - FID</i>	<i>104 %</i>		<i>70-130</i>
<i>Surrogate: 2,5-Dibromotoluene - PID</i>	<i>101 %</i>		<i>70-130</i>
<i>Surrogate: Trifluorotoluene - FID</i>	<i>117 %</i>		<i>70-130</i>
<i>Surrogate: Trifluorotoluene - PID</i>	<i>117 %</i>		<i>70-130</i>



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-1 0-2  
Date Sampled: 10/31/17 15:15  
Percent Solids: 83

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-04  
Sample Matrix: Soil  
Units: mg/kg dry

Extraction Method: 3050B

**Total Metals**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Antimony	0.66 (0.52)		6020A		20	NAR	11/07/17 16:04	2.33	100	CK70260
Arsenic	10.5 (2.59)		6010C		1	KJK	11/04/17 23:05	2.33	100	CK70260
Barium	47.3 (2.59)		6010C		1	KJK	11/04/17 23:05	2.33	100	CK70260
Beryllium	0.44 (0.11)		6010C		1	KJK	11/04/17 23:05	2.33	100	CK70260
Cadmium	ND (0.52)		6010C		1	KJK	11/04/17 23:05	2.33	100	CK70260
Chromium	18.7 (1.04)		6010C		1	KJK	11/04/17 23:05	2.33	100	CK70260
Lead	139 (5.18)		6010C		1	KJK	11/04/17 23:05	2.33	100	CK70260
Mercury	0.334 (0.030)		7471B		1	MJV	11/06/17 13:51	0.8	40	CK70348
Nickel	13.8 (2.59)		6010C		1	KJK	11/04/17 23:05	2.33	100	CK70260
Selenium	ND (0.52)		6020A		20	NAR	11/07/17 16:04	2.33	100	CK70260
Silver	0.55 (0.52)		6010C		1	KJK	11/04/17 23:05	2.33	100	CK70260
Thallium	ND (0.52)		6020A		20	NAR	11/07/17 16:04	2.33	100	CK70260
Vanadium	19.0 (1.04)		6010C		1	KJK	11/04/17 23:05	2.33	100	CK70260
Zinc	163 (2.59)		6010C		1	KJK	11/04/17 23:05	2.33	100	CK70260



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-1 0-2  
Date Sampled: 10/31/17 15:15  
Percent Solids: 83  
Initial Volume: 5.7  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-04  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1,1,2-Tetrachloroethane	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
1,1,1-Trichloroethane	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
1,1,2,2-Tetrachloroethane	ND (0.0021)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
1,1,2-Trichloroethane	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
1,1-Dichloroethane	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
1,1-Dichloroethene	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
1,1-Dichloropropene	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
1,2,3-Trichlorobenzene	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
1,2,3-Trichloropropane	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
1,2,4-Trichlorobenzene	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
1,2,4-Trimethylbenzene	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
1,2-Dibromo-3-Chloropropane	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
1,2-Dibromoethane	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
1,2-Dichlorobenzene	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
1,2-Dichloroethane	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
1,2-Dichloropropane	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
1,3,5-Trimethylbenzene	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
1,3-Dichlorobenzene	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
1,3-Dichloropropane	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
1,4-Dichlorobenzene	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
1,4-Dioxane	ND (0.106)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
2,2-Dichloropropane	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
2-Butanone	ND (0.0106)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
2-Chlorotoluene	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
2-Hexanone	ND (0.0106)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
4-Chlorotoluene	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
4-Isopropyltoluene	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
4-Methyl-2-Pentanone	ND (0.0106)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
Acetone	ND (0.0106)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
Benzene	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
Bromobenzene	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
Bromochloromethane	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-1 0-2  
Date Sampled: 10/31/17 15:15  
Percent Solids: 83  
Initial Volume: 5.7  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-04  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Bromodichloromethane	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
Bromoform	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
Bromomethane	ND (0.0106)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
Carbon Disulfide	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
Carbon Tetrachloride	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
Chlorobenzene	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
Chloroethane	ND (0.0106)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
Chloroform	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
Chloromethane	ND (0.0106)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
cis-1,2-Dichloroethene	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
cis-1,3-Dichloropropene	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
Dibromochloromethane	ND (0.0021)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
Dibromomethane	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
Dichlorodifluoromethane	ND (0.0106)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
Diethyl Ether	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
Di-isopropyl ether	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
Ethyl tertiary-butyl ether	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
Ethylbenzene	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
Hexachlorobutadiene	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
Isopropylbenzene	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
Methyl tert-Butyl Ether	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
Methylene Chloride	ND (0.0106)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
Naphthalene	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
n-Butylbenzene	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
n-Propylbenzene	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
sec-Butylbenzene	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
Styrene	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
tert-Butylbenzene	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
Tertiary-amyl methyl ether	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
Tetrachloroethene	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
Tetrahydrofuran	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
Toluene	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753





*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-1 0-2  
Date Sampled: 10/31/17 15:15  
Percent Solids: 83  
Initial Volume: 5.7  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-04  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
trans-1,2-Dichloroethene	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
trans-1,3-Dichloropropene	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
Trichloroethene	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
Trichlorofluoromethane	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
Vinyl Chloride	ND (0.0106)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
Xylene O	ND (0.0053)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
Xylene P,M	ND (0.0106)		8260B Low		1	11/07/17 20:30	C7K0124	CK70753
Xylenes (Total)	ND (0.0106)		8260B Low		1	11/07/17 20:30		[CALC]

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>97 %</i>		<i>70-130</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>94 %</i>		<i>70-130</i>
<i>Surrogate: Dibromofluoromethane</i>	<i>95 %</i>		<i>70-130</i>
<i>Surrogate: Toluene-d8</i>	<i>99 %</i>		<i>70-130</i>





*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-1 0-2  
Date Sampled: 10/31/17 15:15  
Percent Solids: 83  
Initial Volume: 24  
Final Volume: 2  
Extraction Method: 3546

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-04  
Sample Matrix: Soil  
Units: mg/kg dry  
  
Prepared: 11/6/17 15:03

**MADEP-EPH Extractable Petroleum Hydrocarbons**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
C9-C18 Aliphatics1	ND (37.7)		MADEP-EPH		1	ZLC	11/07/17 0:26	C7K0080	CK70613
C19-C36 Aliphatics1	ND (37.7)		MADEP-EPH		1	ZLC	11/07/17 0:26	C7K0080	CK70613
<b>C11-C22 Unadjusted Aromatics1</b>	<b>47.3 (37.7)</b>		EPH8270		1	VSC	11/06/17 21:56	C7K0082	CK70613
<b>C11-C22 Aromatics1,2</b>	<b>47.3 (37.7)</b>		EPH8270			VSC	11/06/17 21:56		[CALC]
2-Methylnaphthalene	ND (0.50)		EPH8270		1	VSC	11/06/17 21:56	C7K0082	CK70613
Acenaphthene	ND (1.01)		EPH8270		1	VSC	11/06/17 21:56	C7K0082	CK70613
Naphthalene	ND (1.01)		EPH8270		1	VSC	11/06/17 21:56	C7K0082	CK70613
Phenanthrene	ND (1.01)		EPH8270		1	VSC	11/06/17 21:56	C7K0082	CK70613
Acenaphthylene	ND (0.50)		EPH8270		1	VSC	11/06/17 21:56	C7K0082	CK70613
Anthracene	ND (1.01)		EPH8270		1	VSC	11/06/17 21:56	C7K0082	CK70613
Benzo(a)anthracene	ND (1.01)		EPH8270		1	VSC	11/06/17 21:56	C7K0082	CK70613
Benzo(a)pyrene	ND (1.01)		EPH8270		1	VSC	11/06/17 21:56	C7K0082	CK70613
Benzo(b)fluoranthene	ND (1.01)		EPH8270		1	VSC	11/06/17 21:56	C7K0082	CK70613
Benzo(g,h,i)perylene	ND (1.01)		EPH8270		1	VSC	11/06/17 21:56	C7K0082	CK70613
Benzo(k)fluoranthene	ND (1.01)		EPH8270		1	VSC	11/06/17 21:56	C7K0082	CK70613
Chrysene	ND (1.01)		EPH8270		1	VSC	11/06/17 21:56	C7K0082	CK70613
Dibenzo(a,h)Anthracene	ND (0.50)		EPH8270		1	VSC	11/06/17 21:56	C7K0082	CK70613
Fluoranthene	ND (1.01)		EPH8270		1	VSC	11/06/17 21:56	C7K0082	CK70613
Fluorene	ND (1.01)		EPH8270		1	VSC	11/06/17 21:56	C7K0082	CK70613
Indeno(1,2,3-cd)Pyrene	ND (1.01)		EPH8270		1	VSC	11/06/17 21:56	C7K0082	CK70613
Pyrene	ND (1.01)		EPH8270		1	VSC	11/06/17 21:56	C7K0082	CK70613

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1-Chlorooctadecane</i>	73 %		40-140
<i>Surrogate: 2-Bromonaphthalene</i>	91 %		40-140
<i>Surrogate: 2-Fluorobiphenyl</i>	88 %		40-140
<i>Surrogate: O-Terphenyl</i>	65 %		40-140



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-1 0-2  
Date Sampled: 10/31/17 15:15  
Percent Solids: 83  
Initial Volume: 16.1  
Final Volume: 15  
Extraction Method: 5035

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-04  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**MADEP-VPH Volatile Petroleum Hydrocarbon**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
C9-C10 Aromatics	ND (13.3)		MADEP-VPH		1	11/03/17 22:46	C7K0051	CK70319
C5-C8 Aliphatics1,2	ND (13.3)		MADEP-VPH		1	11/03/17 22:46		[CALC]
C9-C12 Aliphatics2,3	ND (13.3)		MADEP-VPH		1	11/03/17 22:46		[CALC]
Benzene	ND (0.27)		MADEP-VPH		1	11/03/17 22:46	C7K0051	CK70319
Ethylbenzene	ND (0.27)		MADEP-VPH		1	11/03/17 22:46	C7K0051	CK70319
Methyl tert-Butyl Ether	ND (0.07)		MADEP-VPH		1	11/03/17 22:46	C7K0051	CK70319
Naphthalene	ND (0.27)		MADEP-VPH		1	11/03/17 22:46	C7K0051	CK70319
Toluene	ND (0.27)		MADEP-VPH		1	11/03/17 22:46	C7K0051	CK70319
Xylene O	ND (0.27)		MADEP-VPH		1	11/03/17 22:46	C7K0051	CK70319
Xylene P,M	ND (0.53)		MADEP-VPH		1	11/03/17 22:46	C7K0051	CK70319
<b>1:1 Methanol/Soil Ratio %D</b>	7 (N/A)		MADEP-VPH			11/03/17 7:40		CK70319
<b>Preservative:</b>		<b>MeOH - covered</b>	MADEP-VPH					CK70319

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 2,5-Dibromotoluene - FID</i>	104 %		70-130
<i>Surrogate: 2,5-Dibromotoluene - PID</i>	101 %		70-130
<i>Surrogate: Trifluorotoluene - FID</i>	128 %		70-130
<i>Surrogate: Trifluorotoluene - PID</i>	129 %		70-130



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-2 0-2  
Date Sampled: 10/31/17 14:30  
Percent Solids: 87

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-05  
Sample Matrix: Soil  
Units: mg/kg dry

Extraction Method: 3050B

**Total Metals**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Antimony	0.86 (0.46)		6020A		20	NAR	11/07/17 16:10	2.5	100	CK70260
Arsenic	7.78 (2.31)		6010C		1	KJK	11/04/17 23:09	2.5	100	CK70260
Barium	35.1 (2.31)		6010C		1	KJK	11/04/17 23:09	2.5	100	CK70260
Beryllium	0.33 (0.10)		6010C		1	KJK	11/04/17 23:09	2.5	100	CK70260
Cadmium	0.51 (0.46)		6010C		1	KJK	11/04/17 23:09	2.5	100	CK70260
Chromium	19.2 (0.92)		6010C		1	KJK	11/04/17 23:09	2.5	100	CK70260
Lead	121 (4.62)		6010C		1	KJK	11/04/17 23:09	2.5	100	CK70260
Mercury	0.224 (0.029)		7471B		1	MJV	11/06/17 13:53	0.8	40	CK70348
Nickel	12.7 (2.31)		6010C		1	KJK	11/04/17 23:09	2.5	100	CK70260
Selenium	0.49 (0.46)		6020A		20	NAR	11/07/17 16:10	2.5	100	CK70260
Silver	ND (0.46)		6010C		1	KJK	11/04/17 23:09	2.5	100	CK70260
Thallium	ND (0.46)		6020A		20	NAR	11/07/17 16:10	2.5	100	CK70260
Vanadium	18.2 (0.92)		6010C		1	KJK	11/04/17 23:09	2.5	100	CK70260
Zinc	219 (2.31)		6010C		1	KJK	11/04/17 23:09	2.5	100	CK70260



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-2 0-2  
Date Sampled: 10/31/17 14:30  
Percent Solids: 87  
Initial Volume: 5.7  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-05  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1,1,2-Tetrachloroethane	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
1,1,1-Trichloroethane	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
1,1,2,2-Tetrachloroethane	ND (0.0020)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
1,1,2-Trichloroethane	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
1,1-Dichloroethane	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
1,1-Dichloroethene	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
1,1-Dichloropropene	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
1,2,3-Trichlorobenzene	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
1,2,3-Trichloropropane	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
1,2,4-Trichlorobenzene	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
1,2,4-Trimethylbenzene	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
1,2-Dibromo-3-Chloropropane	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
1,2-Dibromoethane	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
1,2-Dichlorobenzene	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
1,2-Dichloroethane	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
1,2-Dichloropropane	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
1,3,5-Trimethylbenzene	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
1,3-Dichlorobenzene	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
1,3-Dichloropropane	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
1,4-Dichlorobenzene	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
1,4-Dioxane	ND (0.101)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
2,2-Dichloropropane	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
2-Butanone	ND (0.0101)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
2-Chlorotoluene	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
2-Hexanone	ND (0.0101)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
4-Chlorotoluene	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
4-Isopropyltoluene	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
4-Methyl-2-Pentanone	ND (0.0101)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
Acetone	ND (0.0101)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
Benzene	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
Bromobenzene	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
Bromochloromethane	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-2 0-2  
Date Sampled: 10/31/17 14:30  
Percent Solids: 87  
Initial Volume: 5.7  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-05  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Bromodichloromethane	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
Bromoform	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
Bromomethane	ND (0.0101)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
Carbon Disulfide	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
Carbon Tetrachloride	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
Chlorobenzene	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
Chloroethane	ND (0.0101)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
Chloroform	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
Chloromethane	ND (0.0101)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
cis-1,2-Dichloroethene	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
cis-1,3-Dichloropropene	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
Dibromochloromethane	ND (0.0020)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
Dibromomethane	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
Dichlorodifluoromethane	ND (0.0101)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
Diethyl Ether	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
Di-isopropyl ether	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
Ethyl tertiary-butyl ether	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
Ethylbenzene	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
Hexachlorobutadiene	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
Isopropylbenzene	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
Methyl tert-Butyl Ether	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
Methylene Chloride	ND (0.0101)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
Naphthalene	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
n-Butylbenzene	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
n-Propylbenzene	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
sec-Butylbenzene	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
Styrene	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
tert-Butylbenzene	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
Tertiary-amyl methyl ether	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
Tetrachloroethene	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
Tetrahydrofuran	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
Toluene	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-2 0-2  
Date Sampled: 10/31/17 14:30  
Percent Solids: 87  
Initial Volume: 5.7  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-05  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
trans-1,2-Dichloroethene	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
trans-1,3-Dichloropropene	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
Trichloroethene	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
Trichlorofluoromethane	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
Vinyl Chloride	ND (0.0101)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
Xylene O	ND (0.0051)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
Xylene P,M	ND (0.0101)		8260B Low		1	11/07/17 20:56	C7K0124	CK70753
Xylenes (Total)	ND (0.0101)		8260B Low		1	11/07/17 20:56		[CALC]

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>93 %</i>		<i>70-130</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>94 %</i>		<i>70-130</i>
<i>Surrogate: Dibromofluoromethane</i>	<i>93 %</i>		<i>70-130</i>
<i>Surrogate: Toluene-d8</i>	<i>100 %</i>		<i>70-130</i>



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-2 0-2  
Date Sampled: 10/31/17 14:30  
Percent Solids: 87  
Initial Volume: 24.5  
Final Volume: 2  
Extraction Method: 3546

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-05  
Sample Matrix: Soil  
Units: mg/kg dry  
  
Prepared: 11/6/17 15:03

**MADEP-EPH Extractable Petroleum Hydrocarbons**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
C9-C18 Aliphatics1	ND (35.4)		MADEP-EPH		1	ZLC	11/07/17 2:49	C7K0080	CK70613
<b>C19-C36 Aliphatics1</b>	<b>38.4</b> (35.4)		MADEP-EPH		1	ZLC	11/07/17 2:49	C7K0080	CK70613
<b>C11-C22 Unadjusted Aromatics1</b>	<b>40.3</b> (35.4)		EPH8270		1	VSC	11/06/17 23:45	C7K0082	CK70613
<b>C11-C22 Aromatics1,2</b>	<b>39.3</b> (35.4)		EPH8270			VSC	11/06/17 23:45		[CALC]
2-Methylnaphthalene	ND (0.47)		EPH8270		1	VSC	11/06/17 23:45	C7K0082	CK70613
Acenaphthene	ND (0.94)		EPH8270		1	VSC	11/06/17 23:45	C7K0082	CK70613
Naphthalene	ND (0.94)		EPH8270		1	VSC	11/06/17 23:45	C7K0082	CK70613
Phenanthrene	ND (0.94)		EPH8270		1	VSC	11/06/17 23:45	C7K0082	CK70613
Acenaphthylene	ND (0.47)		EPH8270		1	VSC	11/06/17 23:45	C7K0082	CK70613
Anthracene	ND (0.94)		EPH8270		1	VSC	11/06/17 23:45	C7K0082	CK70613
Benzo(a)anthracene	ND (0.94)		EPH8270		1	VSC	11/06/17 23:45	C7K0082	CK70613
Benzo(a)pyrene	ND (0.94)		EPH8270		1	VSC	11/06/17 23:45	C7K0082	CK70613
Benzo(b)fluoranthene	ND (0.94)		EPH8270		1	VSC	11/06/17 23:45	C7K0082	CK70613
Benzo(g,h,i)perylene	ND (0.94)		EPH8270		1	VSC	11/06/17 23:45	C7K0082	CK70613
Benzo(k)fluoranthene	ND (0.94)		EPH8270		1	VSC	11/06/17 23:45	C7K0082	CK70613
Chrysene	ND (0.94)		EPH8270		1	VSC	11/06/17 23:45	C7K0082	CK70613
Dibenzo(a,h)Anthracene	ND (0.47)		EPH8270		1	VSC	11/06/17 23:45	C7K0082	CK70613
<b>Fluoranthene</b>	<b>1.01</b> (0.94)		EPH8270		1	VSC	11/06/17 23:45	C7K0082	CK70613
Fluorene	ND (0.94)		EPH8270		1	VSC	11/06/17 23:45	C7K0082	CK70613
Indeno(1,2,3-cd)Pyrene	ND (0.94)		EPH8270		1	VSC	11/06/17 23:45	C7K0082	CK70613
Pyrene	ND (0.94)		EPH8270		1	VSC	11/06/17 23:45	C7K0082	CK70613

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1-Chlorooctadecane</i>	93 %		40-140
<i>Surrogate: 2-Bromonaphthalene</i>	63 %		40-140
<i>Surrogate: 2-Fluorobiphenyl</i>	83 %		40-140
<i>Surrogate: O-Terphenyl</i>	78 %		40-140





*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-2 0-2  
Date Sampled: 10/31/17 14:30  
Percent Solids: 87  
Initial Volume: 16.3  
Final Volume: 15  
Extraction Method: 5035

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-05  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**MADEP-VPH Volatile Petroleum Hydrocarbon**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
C9-C10 Aromatics	ND (12.2)		MADEP-VPH		1	11/03/17 23:19	C7K0051	CK70319
C5-C8 Aliphatics 1,2	ND (12.2)		MADEP-VPH		1	11/03/17 23:19		[CALC]
C9-C12 Aliphatics 2,3	ND (12.2)		MADEP-VPH		1	11/03/17 23:19		[CALC]
Benzene	ND (0.24)		MADEP-VPH		1	11/03/17 23:19	C7K0051	CK70319
Ethylbenzene	ND (0.24)		MADEP-VPH		1	11/03/17 23:19	C7K0051	CK70319
Methyl tert-Butyl Ether	ND (0.06)		MADEP-VPH		1	11/03/17 23:19	C7K0051	CK70319
Naphthalene	ND (0.24)		MADEP-VPH		1	11/03/17 23:19	C7K0051	CK70319
Toluene	ND (0.24)		MADEP-VPH		1	11/03/17 23:19	C7K0051	CK70319
Xylene O	ND (0.24)		MADEP-VPH		1	11/03/17 23:19	C7K0051	CK70319
Xylene P,M	ND (0.49)		MADEP-VPH		1	11/03/17 23:19	C7K0051	CK70319
<b>1:1 Methanol/Soil Ratio %D</b>	<b>9 (N/A)</b>		MADEP-VPH			11/03/17 7:40		CK70319
<b>Preservative:</b>	<b>MeOH - covered</b>		MADEP-VPH					CK70319

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 2,5-Dibromotoluene - FID</i>	<i>104 %</i>		<i>70-130</i>
<i>Surrogate: 2,5-Dibromotoluene - PID</i>	<i>102 %</i>		<i>70-130</i>
<i>Surrogate: Trifluorotoluene - FID</i>	<i>111 %</i>		<i>70-130</i>
<i>Surrogate: Trifluorotoluene - PID</i>	<i>112 %</i>		<i>70-130</i>





*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-8 3-5  
Date Sampled: 10/31/17 11:00  
Percent Solids: 93

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-06  
Sample Matrix: Soil  
Units: mg/kg dry

Extraction Method: 3050B

**Total Metals**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Antimony	67.5 (0.53)		6020A		20	NAR	11/07/17 16:17	2.02	100	CK70260
Arsenic	9.15 (2.67)		6010C		1	KJK	11/04/17 23:13	2.02	100	CK70260
Barium	134 (2.67)		6010C		1	KJK	11/04/17 23:13	2.02	100	CK70260
Beryllium	0.23 (0.12)		6010C		1	KJK	11/04/17 23:13	2.02	100	CK70260
Cadmium	0.82 (0.53)		6010C		1	KJK	11/04/17 23:13	2.02	100	CK70260
Chromium	11.3 (1.07)		6010C		1	KJK	11/04/17 23:13	2.02	100	CK70260
Lead	3610 (53.4)		6010C		10	BJV	11/06/17 12:24	2.02	100	CK70260
Mercury	0.408 (0.029)		7471B		1	MJV	11/06/17 13:55	0.74	40	CK70348
Nickel	14.5 (2.67)		6010C		1	KJK	11/04/17 23:13	2.02	100	CK70260
Selenium	0.61 (0.53)		6020A		20	NAR	11/07/17 16:17	2.02	100	CK70260
Silver	0.73 (0.53)		6010C		1	KJK	11/04/17 23:13	2.02	100	CK70260
Thallium	ND (0.53)		6020A		20	NAR	11/07/17 16:17	2.02	100	CK70260
Vanadium	13.6 (1.07)		6010C		1	KJK	11/04/17 23:13	2.02	100	CK70260
Zinc	198 (2.67)		6010C		1	KJK	11/04/17 23:13	2.02	100	CK70260



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
 Client Project ID: Conway Park  
 Client Sample ID: P-8 3-5  
 Date Sampled: 10/31/17 11:00  
 Percent Solids: 93  
 Initial Volume: 7.7  
 Final Volume: 10  
 Extraction Method: 5035

ESS Laboratory Work Order: 1711067  
 ESS Laboratory Sample ID: 1711067-06  
 Sample Matrix: Soil  
 Units: mg/kg dry  
 Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1,1,2-Tetrachloroethane	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
1,1,1-Trichloroethane	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
1,1,2,2-Tetrachloroethane	ND (0.0014)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
1,1,2-Trichloroethane	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
1,1-Dichloroethane	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
1,1-Dichloroethene	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
1,1-Dichloropropene	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
1,2,3-Trichlorobenzene	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
1,2,3-Trichloropropane	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
1,2,4-Trichlorobenzene	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
1,2,4-Trimethylbenzene	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
1,2-Dibromo-3-Chloropropane	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
1,2-Dibromoethane	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
1,2-Dichlorobenzene	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
1,2-Dichloroethane	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
1,2-Dichloropropane	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
1,3,5-Trimethylbenzene	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
1,3-Dichlorobenzene	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
1,3-Dichloropropane	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
1,4-Dichlorobenzene	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
1,4-Dioxane	ND (0.0701)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
2,2-Dichloropropane	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
2-Butanone	ND (0.0070)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
2-Chlorotoluene	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
2-Hexanone	ND (0.0070)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
4-Chlorotoluene	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
4-Isopropyltoluene	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
4-Methyl-2-Pentanone	ND (0.0070)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
Acetone	ND (0.0070)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
Benzene	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
Bromobenzene	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
Bromochloromethane	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-8 3-5  
Date Sampled: 10/31/17 11:00  
Percent Solids: 93  
Initial Volume: 7.7  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-06  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Bromodichloromethane	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
Bromoform	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
Bromomethane	ND (0.0070)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
Carbon Disulfide	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
Carbon Tetrachloride	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
Chlorobenzene	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
Chloroethane	ND (0.0070)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
Chloroform	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
Chloromethane	ND (0.0070)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
cis-1,2-Dichloroethene	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
cis-1,3-Dichloropropene	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
Dibromochloromethane	ND (0.0014)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
Dibromomethane	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
Dichlorodifluoromethane	ND (0.0070)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
Diethyl Ether	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
Di-isopropyl ether	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
Ethyl tertiary-butyl ether	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
Ethylbenzene	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
Hexachlorobutadiene	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
Isopropylbenzene	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
Methyl tert-Butyl Ether	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
Methylene Chloride	ND (0.0070)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
Naphthalene	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
n-Butylbenzene	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
n-Propylbenzene	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
sec-Butylbenzene	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
Styrene	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
tert-Butylbenzene	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
Tertiary-amyl methyl ether	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
Tetrachloroethene	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
Tetrahydrofuran	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
Toluene	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-8 3-5  
Date Sampled: 10/31/17 11:00  
Percent Solids: 93  
Initial Volume: 7.7  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-06  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
trans-1,2-Dichloroethene	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
trans-1,3-Dichloropropene	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
Trichloroethene	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
Trichlorofluoromethane	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
Vinyl Chloride	ND (0.0070)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
Xylene O	ND (0.0035)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
Xylene P,M	ND (0.0070)		8260B Low		1	11/07/17 21:21	C7K0124	CK70753
Xylenes (Total)	ND (0.0070)		8260B Low		1	11/07/17 21:21		[CALC]

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>99 %</i>		<i>70-130</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>96 %</i>		<i>70-130</i>
<i>Surrogate: Dibromofluoromethane</i>	<i>96 %</i>		<i>70-130</i>
<i>Surrogate: Toluene-d8</i>	<i>98 %</i>		<i>70-130</i>



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-8 3-5  
Date Sampled: 10/31/17 11:00  
Percent Solids: 93  
Initial Volume: 24.5  
Final Volume: 2  
Extraction Method: 3546

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-06  
Sample Matrix: Soil  
Units: mg/kg dry

Prepared: 11/6/17 15:03

**MADEP-EPH Extractable Petroleum Hydrocarbons**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
C9-C18 Aliphatics1	ND (33.0)		MADEP-EPH		1	ZLC	11/07/17 3:36	C7K0080	CK70613
<b>C19-C36 Aliphatics1</b>	<b>60.0</b> (33.0)		MADEP-EPH		1	ZLC	11/07/17 3:36	C7K0080	CK70613
<b>C11-C22 Unadjusted Aromatics1</b>	<b>787</b> (33.0)		EPH8270		1	VSC	11/07/17 0:22	C7K0082	CK70613
<b>C11-C22 Aromatics1,2</b>	<b>428</b> (33.0)		EPH8270			ZLC	11/07/17 21:45		[CALC]
<b>2-Methylnaphthalene</b>	<b>3.07</b> (0.44)		EPH8270		1	VSC	11/07/17 0:22	C7K0082	CK70613
<b>Acenaphthene</b>	<b>9.85</b> (4.41)		EPH8270		5	ZLC	11/07/17 21:08	C7K0082	CK70613
<b>Naphthalene</b>	<b>5.08</b> (0.88)		EPH8270		1	VSC	11/07/17 0:22	C7K0082	CK70613
<b>Phenanthrene</b>	<b>80.7</b> (22.0)		EPH8270		25	ZLC	11/07/17 21:45	C7K0082	CK70613
<b>Acenaphthylene</b>	<b>0.75</b> (0.44)		EPH8270		1	VSC	11/07/17 0:22	C7K0082	CK70613
<b>Anthracene</b>	<b>18.0</b> (4.41)		EPH8270		5	ZLC	11/07/17 21:08	C7K0082	CK70613
<b>Benzo(a)anthracene</b>	<b>26.4</b> (4.41)		EPH8270		5	ZLC	11/07/17 21:08	C7K0082	CK70613
<b>Benzo(a)pyrene</b>	<b>18.1</b> (4.41)		EPH8270		5	ZLC	11/07/17 21:08	C7K0082	CK70613
<b>Benzo(b)fluoranthene</b>	<b>24.5</b> (4.41)		EPH8270		5	ZLC	11/07/17 21:08	C7K0082	CK70613
<b>Benzo(g,h,i)perylene</b>	<b>2.99</b> (0.88)		EPH8270		1	VSC	11/07/17 0:22	C7K0082	CK70613
<b>Benzo(k)fluoranthene</b>	<b>3.87</b> (0.88)		EPH8270		1	VSC	11/07/17 0:22	C7K0082	CK70613
<b>Chrysene</b>	<b>23.9</b> (4.41)		EPH8270		5	ZLC	11/07/17 21:08	C7K0082	CK70613
<b>Dibenzo(a,h)Anthracene</b>	<b>1.22</b> (0.44)		EPH8270		1	VSC	11/07/17 0:22	C7K0082	CK70613
<b>Fluoranthene</b>	<b>67.9</b> (22.0)		EPH8270		25	ZLC	11/07/17 21:45	C7K0082	CK70613
<b>Fluorene</b>	<b>7.92</b> (0.88)		EPH8270		1	VSC	11/07/17 0:22	C7K0082	CK70613
<b>Indeno(1,2,3-cd)Pyrene</b>	<b>4.54</b> (0.88)		EPH8270		1	VSC	11/07/17 0:22	C7K0082	CK70613
<b>Pyrene</b>	<b>60.1</b> (22.0)		EPH8270		25	ZLC	11/07/17 21:45	C7K0082	CK70613

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1-Chlorooctadecane</i>	56 %		40-140
<i>Surrogate: 2-Bromonaphthalene</i>	80 %		40-140
<i>Surrogate: 2-Fluorobiphenyl</i>	82 %		40-140
<i>Surrogate: O-Terphenyl</i>	43 %		40-140



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
 Client Project ID: Conway Park  
 Client Sample ID: P-8 3-5  
 Date Sampled: 10/31/17 11:00  
 Percent Solids: 93  
 Initial Volume: 15.2  
 Final Volume: 15  
 Extraction Method: 5035

ESS Laboratory Work Order: 1711067  
 ESS Laboratory Sample ID: 1711067-06  
 Sample Matrix: Soil  
 Units: mg/kg dry  
 Analyst: MEK

**MADEP-VPH Volatile Petroleum Hydrocarbon**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
C9-C10 Aromatics	ND (11.4)		MADEP-VPH		1	11/03/17 23:52	C7K0051	CK70319
C5-C8 Aliphatics1,2	ND (11.4)		MADEP-VPH		1	11/03/17 23:52		[CALC]
C9-C12 Aliphatics2,3	ND (11.4)		MADEP-VPH		1	11/03/17 23:52		[CALC]
Benzene	ND (0.23)		MADEP-VPH		1	11/03/17 23:52	C7K0051	CK70319
Ethylbenzene	ND (0.23)		MADEP-VPH		1	11/03/17 23:52	C7K0051	CK70319
Methyl tert-Butyl Ether	ND (0.06)		MADEP-VPH		1	11/03/17 23:52	C7K0051	CK70319
<b>Naphthalene</b>	<b>0.43</b> (0.23)		MADEP-VPH		1	11/03/17 23:52	C7K0051	CK70319
Toluene	ND (0.23)		MADEP-VPH		1	11/03/17 23:52	C7K0051	CK70319
Xylene O	ND (0.23)		MADEP-VPH		1	11/03/17 23:52	C7K0051	CK70319
Xylene P,M	ND (0.46)		MADEP-VPH		1	11/03/17 23:52	C7K0051	CK70319
<b>1:1 Methanol/Soil Ratio %D</b>	<b>1</b> (N/A)		MADEP-VPH			11/03/17 7:40		CK70319
<b>Preservative:</b>	<b>MeOH - covered</b>		MADEP-VPH					CK70319

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 2,5-Dibromotoluene - FID</i>	<i>104 %</i>		<i>70-130</i>
<i>Surrogate: 2,5-Dibromotoluene - PID</i>	<i>101 %</i>		<i>70-130</i>
<i>Surrogate: Trifluorotoluene - FID</i>	<i>104 %</i>		<i>70-130</i>
<i>Surrogate: Trifluorotoluene - PID</i>	<i>105 %</i>		<i>70-130</i>



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-2 13-15  
Date Sampled: 10/31/17 14:45  
Percent Solids: 77

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-07  
Sample Matrix: Soil  
Units: mg/kg dry

Extraction Method: 3050B

**Total Metals**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Antimony	ND (0.54)		6020A		20	NAR	11/07/17 16:24	2.38	100	CK70260
Arsenic	ND (2.71)		6010C		1	KJK	11/04/17 23:17	2.38	100	CK70260
<b>Barium</b>	<b>11.3</b> (2.71)		6010C		1	KJK	11/04/17 23:17	2.38	100	CK70260
<b>Beryllium</b>	<b>0.18</b> (0.12)		6010C		1	KJK	11/04/17 23:17	2.38	100	CK70260
Cadmium	ND (0.54)		6010C		1	KJK	11/04/17 23:17	2.38	100	CK70260
<b>Chromium</b>	<b>7.45</b> (1.09)		6010C		1	KJK	11/04/17 23:17	2.38	100	CK70260
<b>Lead</b>	<b>7.84</b> (5.43)		6010C		1	KJK	11/04/17 23:17	2.38	100	CK70260
Mercury	ND (0.037)		7471B		1	MJV	11/06/17 13:57	0.7	40	CK70348
<b>Nickel</b>	<b>7.07</b> (2.71)		6010C		1	KJK	11/04/17 23:17	2.38	100	CK70260
Selenium	ND (0.54)		6020A		20	NAR	11/07/17 16:24	2.38	100	CK70260
Silver	ND (0.54)		6010C		1	KJK	11/04/17 23:17	2.38	100	CK70260
Thallium	ND (0.54)		6020A		20	NAR	11/07/17 16:24	2.38	100	CK70260
<b>Vanadium</b>	<b>10.3</b> (1.09)		6010C		1	KJK	11/04/17 23:17	2.38	100	CK70260
<b>Zinc</b>	<b>14.6</b> (2.71)		6010C		1	KJK	11/04/17 23:17	2.38	100	CK70260





*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-2 13-15  
Date Sampled: 10/31/17 14:45  
Percent Solids: 77  
Initial Volume: 5.2  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-07  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1,1,2-Tetrachloroethane	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
1,1,1-Trichloroethane	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
1,1,2,2-Tetrachloroethane	ND (0.0025)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
1,1,2-Trichloroethane	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
1,1-Dichloroethane	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
1,1-Dichloroethene	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
1,1-Dichloropropene	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
1,2,3-Trichlorobenzene	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
1,2,3-Trichloropropane	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
1,2,4-Trichlorobenzene	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
1,2,4-Trimethylbenzene	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
1,2-Dibromo-3-Chloropropane	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
1,2-Dibromoethane	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
1,2-Dichlorobenzene	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
1,2-Dichloroethane	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
1,2-Dichloropropane	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
1,3,5-Trimethylbenzene	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
1,3-Dichlorobenzene	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
1,3-Dichloropropane	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
1,4-Dichlorobenzene	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
1,4-Dioxane	ND (0.124)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
2,2-Dichloropropane	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
2-Butanone	ND (0.0124)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
2-Chlorotoluene	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
2-Hexanone	ND (0.0124)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
4-Chlorotoluene	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
4-Isopropyltoluene	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
4-Methyl-2-Pentanone	ND (0.0124)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
<b>Acetone</b>	<b>0.0166</b> (0.0124)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
Benzene	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
Bromobenzene	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
Bromochloromethane	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753





*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-2 13-15  
Date Sampled: 10/31/17 14:45  
Percent Solids: 77  
Initial Volume: 5.2  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-07  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Bromodichloromethane	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
Bromoform	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
Bromomethane	ND (0.0124)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
Carbon Disulfide	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
Carbon Tetrachloride	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
Chlorobenzene	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
Chloroethane	ND (0.0124)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
Chloroform	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
Chloromethane	ND (0.0124)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
cis-1,2-Dichloroethene	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
cis-1,3-Dichloropropene	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
Dibromochloromethane	ND (0.0025)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
Dibromomethane	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
Dichlorodifluoromethane	ND (0.0124)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
Diethyl Ether	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
Di-isopropyl ether	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
Ethyl tertiary-butyl ether	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
Ethylbenzene	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
Hexachlorobutadiene	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
Isopropylbenzene	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
Methyl tert-Butyl Ether	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
Methylene Chloride	ND (0.0124)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
Naphthalene	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
n-Butylbenzene	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
n-Propylbenzene	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
sec-Butylbenzene	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
Styrene	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
tert-Butylbenzene	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
Tertiary-amyl methyl ether	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
Tetrachloroethene	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
Tetrahydrofuran	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
Toluene	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
 Client Project ID: Conway Park  
 Client Sample ID: P-2 13-15  
 Date Sampled: 10/31/17 14:45  
 Percent Solids: 77  
 Initial Volume: 5.2  
 Final Volume: 10  
 Extraction Method: 5035

ESS Laboratory Work Order: 1711067  
 ESS Laboratory Sample ID: 1711067-07  
 Sample Matrix: Soil  
 Units: mg/kg dry  
 Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
trans-1,2-Dichloroethene	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
trans-1,3-Dichloropropene	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
Trichloroethene	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
Trichlorofluoromethane	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
Vinyl Chloride	ND (0.0124)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
Xylene O	ND (0.0062)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
Xylene P,M	ND (0.0124)		8260B Low		1	11/07/17 21:46	C7K0124	CK70753
Xylenes (Total)	ND (0.0124)		8260B Low		1	11/07/17 21:46		[CALC]

	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>
Surrogate: 1,2-Dichloroethane-d4	97 %		70-130
Surrogate: 4-Bromofluorobenzene	98 %		70-130
Surrogate: Dibromofluoromethane	95 %		70-130
Surrogate: Toluene-d8	97 %		70-130



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-2 13-15  
Date Sampled: 10/31/17 14:45  
Percent Solids: 77  
Initial Volume: 24.8  
Final Volume: 1  
Extraction Method: 3546

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-07  
Sample Matrix: Soil  
Units: mg/kg dry

Prepared: 11/6/17 15:03

**MADEP-EPH Extractable Petroleum Hydrocarbons**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
C9-C18 Aliphatics1	ND (19.5)		MADEP-EPH		1	ZLC	11/07/17 4:24	C7K0080	CK70613
C19-C36 Aliphatics1	ND (19.5)		MADEP-EPH		1	ZLC	11/07/17 4:24	C7K0080	CK70613
C11-C22 Unadjusted Aromatics1	ND (19.5)		EPH8270		1	VSC	11/07/17 0:58	C7K0082	CK70613
C11-C22 Aromatics1,2	ND (19.5)		EPH8270			VSC	11/07/17 0:58		[CALC]
2-Methylnaphthalene	ND (0.26)		EPH8270		1	VSC	11/07/17 0:58	C7K0082	CK70613
Acenaphthene	ND (0.52)		EPH8270		1	VSC	11/07/17 0:58	C7K0082	CK70613
Naphthalene	ND (0.52)		EPH8270		1	VSC	11/07/17 0:58	C7K0082	CK70613
Phenanthrene	ND (0.52)		EPH8270		1	VSC	11/07/17 0:58	C7K0082	CK70613
Acenaphthylene	ND (0.26)		EPH8270		1	VSC	11/07/17 0:58	C7K0082	CK70613
Anthracene	ND (0.52)		EPH8270		1	VSC	11/07/17 0:58	C7K0082	CK70613
Benzo(a)anthracene	ND (0.52)		EPH8270		1	VSC	11/07/17 0:58	C7K0082	CK70613
Benzo(a)pyrene	ND (0.52)		EPH8270		1	VSC	11/07/17 0:58	C7K0082	CK70613
Benzo(b)fluoranthene	ND (0.52)		EPH8270		1	VSC	11/07/17 0:58	C7K0082	CK70613
Benzo(g,h,i)perylene	ND (0.52)		EPH8270		1	VSC	11/07/17 0:58	C7K0082	CK70613
Benzo(k)fluoranthene	ND (0.52)		EPH8270		1	VSC	11/07/17 0:58	C7K0082	CK70613
Chrysene	ND (0.52)		EPH8270		1	VSC	11/07/17 0:58	C7K0082	CK70613
Dibenzo(a,h)Anthracene	ND (0.26)		EPH8270		1	VSC	11/07/17 0:58	C7K0082	CK70613
Fluoranthene	ND (0.52)		EPH8270		1	VSC	11/07/17 0:58	C7K0082	CK70613
Fluorene	ND (0.52)		EPH8270		1	VSC	11/07/17 0:58	C7K0082	CK70613
Indeno(1,2,3-cd)Pyrene	ND (0.52)		EPH8270		1	VSC	11/07/17 0:58	C7K0082	CK70613
Pyrene	ND (0.52)		EPH8270		1	VSC	11/07/17 0:58	C7K0082	CK70613

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1-Chlorooctadecane</i>	89 %		40-140
<i>Surrogate: 2-Bromonaphthalene</i>	69 %		40-140
<i>Surrogate: 2-Fluorobiphenyl</i>	77 %		40-140
<i>Surrogate: O-Terphenyl</i>	79 %		40-140



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-2 13-15  
Date Sampled: 10/31/17 14:45  
Percent Solids: 77  
Initial Volume: 16.1  
Final Volume: 15  
Extraction Method: 5035

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-07  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**MADEP-VPH Volatile Petroleum Hydrocarbon**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
C9-C10 Aromatics	ND (15.0)		MADEP-VPH		1	11/04/17 0:25	C7K0051	CK70319
C5-C8 Aliphatics1,2	ND (15.0)		MADEP-VPH		1	11/04/17 0:25		[CALC]
C9-C12 Aliphatics2,3	ND (15.0)		MADEP-VPH		1	11/04/17 0:25		[CALC]
Benzene	ND (0.30)		MADEP-VPH		1	11/04/17 0:25	C7K0051	CK70319
Ethylbenzene	ND (0.30)		MADEP-VPH		1	11/04/17 0:25	C7K0051	CK70319
Methyl tert-Butyl Ether	ND (0.07)		MADEP-VPH		1	11/04/17 0:25	C7K0051	CK70319
Naphthalene	ND (0.30)		MADEP-VPH		1	11/04/17 0:25	C7K0051	CK70319
Toluene	ND (0.30)		MADEP-VPH		1	11/04/17 0:25	C7K0051	CK70319
Xylene O	ND (0.30)		MADEP-VPH		1	11/04/17 0:25	C7K0051	CK70319
Xylene P,M	ND (0.60)		MADEP-VPH		1	11/04/17 0:25	C7K0051	CK70319
<b>1:1 Methanol/Soil Ratio %D</b>	7 (N/A)		MADEP-VPH			11/03/17 7:40		CK70319
<b>Preservative:</b>	<b>MeOH - covered</b>		MADEP-VPH					CK70319

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 2,5-Dibromotoluene - FID</i>	109 %		70-130
<i>Surrogate: 2,5-Dibromotoluene - PID</i>	106 %		70-130
<i>Surrogate: Trifluorotoluene - FID</i>	124 %		70-130
<i>Surrogate: Trifluorotoluene - PID</i>	126 %		70-130



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-6 8-10  
Date Sampled: 10/31/17 13:15  
Percent Solids: 89

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-08  
Sample Matrix: Soil  
Units: mg/kg dry

Extraction Method: 3050B

**Total Metals**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Antimony	ND (0.45)		6020A		20	NAR	11/07/17 16:30	2.46	100	CK70260
Arsenic	<b>3.05</b> (2.27)		6010C		1	KJK	11/04/17 23:21	2.46	100	CK70260
Barium	<b>15.5</b> (2.27)		6010C		1	KJK	11/04/17 23:21	2.46	100	CK70260
Beryllium	<b>0.18</b> (0.10)		6010C		1	KJK	11/04/17 23:21	2.46	100	CK70260
Cadmium	ND (0.45)		6010C		1	KJK	11/04/17 23:21	2.46	100	CK70260
Chromium	<b>7.09</b> (0.91)		6010C		1	KJK	11/04/17 23:21	2.46	100	CK70260
Lead	<b>12.2</b> (4.54)		6010C		1	KJK	11/04/17 23:21	2.46	100	CK70260
Mercury	<b>0.118</b> (0.030)		7471B		1	MJV	11/06/17 13:59	0.73	40	CK70348
Nickel	<b>6.42</b> (2.27)		6010C		1	KJK	11/04/17 23:21	2.46	100	CK70260
Selenium	ND (0.45)		6020A		20	NAR	11/07/17 16:30	2.46	100	CK70260
Silver	ND (0.45)		6010C		1	KJK	11/04/17 23:21	2.46	100	CK70260
Thallium	ND (0.45)		6020A		20	NAR	11/07/17 16:30	2.46	100	CK70260
Vanadium	<b>9.59</b> (0.91)		6010C		1	KJK	11/04/17 23:21	2.46	100	CK70260
Zinc	<b>12.5</b> (2.27)		6010C		1	KJK	11/04/17 23:21	2.46	100	CK70260



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-6 8-10  
Date Sampled: 10/31/17 13:15  
Percent Solids: 89  
Initial Volume: 5.7  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-08  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1,1,2-Tetrachloroethane	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
1,1,1-Trichloroethane	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
1,1,2,2-Tetrachloroethane	ND (0.0020)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
1,1,2-Trichloroethane	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
1,1-Dichloroethane	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
1,1-Dichloroethene	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
1,1-Dichloropropene	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
1,2,3-Trichlorobenzene	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
1,2,3-Trichloropropane	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
1,2,4-Trichlorobenzene	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
1,2,4-Trimethylbenzene	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
1,2-Dibromo-3-Chloropropane	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
1,2-Dibromoethane	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
1,2-Dichlorobenzene	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
1,2-Dichloroethane	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
1,2-Dichloropropane	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
1,3,5-Trimethylbenzene	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
1,3-Dichlorobenzene	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
1,3-Dichloropropane	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
1,4-Dichlorobenzene	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
1,4-Dioxane	ND (0.0981)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
2,2-Dichloropropane	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
2-Butanone	ND (0.0098)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
2-Chlorotoluene	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
2-Hexanone	ND (0.0098)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
4-Chlorotoluene	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
4-Isopropyltoluene	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
4-Methyl-2-Pentanone	ND (0.0098)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
Acetone	ND (0.0098)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
Benzene	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
Bromobenzene	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
Bromochloromethane	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-6 8-10  
Date Sampled: 10/31/17 13:15  
Percent Solids: 89  
Initial Volume: 5.7  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-08  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Bromodichloromethane	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
Bromoform	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
Bromomethane	ND (0.0098)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
Carbon Disulfide	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
Carbon Tetrachloride	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
Chlorobenzene	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
Chloroethane	ND (0.0098)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
Chloroform	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
Chloromethane	ND (0.0098)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
cis-1,2-Dichloroethene	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
cis-1,3-Dichloropropene	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
Dibromochloromethane	ND (0.0020)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
Dibromomethane	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
Dichlorodifluoromethane	ND (0.0098)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
Diethyl Ether	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
Di-isopropyl ether	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
Ethyl tertiary-butyl ether	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
Ethylbenzene	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
Hexachlorobutadiene	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
Isopropylbenzene	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
Methyl tert-Butyl Ether	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
Methylene Chloride	ND (0.0098)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
Naphthalene	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
n-Butylbenzene	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
n-Propylbenzene	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
sec-Butylbenzene	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
Styrene	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
tert-Butylbenzene	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
Tertiary-amyl methyl ether	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
Tetrachloroethene	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
Tetrahydrofuran	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
Toluene	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753





*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-6 8-10  
Date Sampled: 10/31/17 13:15  
Percent Solids: 89  
Initial Volume: 5.7  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-08  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
trans-1,2-Dichloroethene	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
trans-1,3-Dichloropropene	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
Trichloroethene	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
Trichlorofluoromethane	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
Vinyl Chloride	ND (0.0098)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
Xylene O	ND (0.0049)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
Xylene P,M	ND (0.0098)		8260B Low		1	11/07/17 22:11	C7K0124	CK70753
Xylenes (Total)	ND (0.0098)		8260B Low		1	11/07/17 22:11		[CALC]

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>100 %</i>		<i>70-130</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>98 %</i>		<i>70-130</i>
<i>Surrogate: Dibromofluoromethane</i>	<i>96 %</i>		<i>70-130</i>
<i>Surrogate: Toluene-d8</i>	<i>96 %</i>		<i>70-130</i>





*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-6 8-10  
Date Sampled: 10/31/17 13:15  
Percent Solids: 89  
Initial Volume: 24.7  
Final Volume: 1  
Extraction Method: 3546

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-08  
Sample Matrix: Soil  
Units: mg/kg dry

Prepared: 11/6/17 15:03

**MADEP-EPH Extractable Petroleum Hydrocarbons**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
C9-C18 Aliphatics1	ND (17.0)		MADEP-EPH		1	ZLC	11/07/17 5:12	C7K0080	CK70613
C19-C36 Aliphatics1	ND (17.0)		MADEP-EPH		1	ZLC	11/07/17 5:12	C7K0080	CK70613
C11-C22 Unadjusted Aromatics1	ND (17.0)		EPH8270		1	VSC	11/07/17 1:35	C7K0082	CK70613
C11-C22 Aromatics1,2	ND (17.0)		EPH8270			VSC	11/07/17 1:35		[CALC]
2-Methylnaphthalene	ND (0.23)		EPH8270		1	VSC	11/07/17 1:35	C7K0082	CK70613
Acenaphthene	ND (0.45)		EPH8270		1	VSC	11/07/17 1:35	C7K0082	CK70613
Naphthalene	ND (0.45)		EPH8270		1	VSC	11/07/17 1:35	C7K0082	CK70613
Phenanthrene	ND (0.45)		EPH8270		1	VSC	11/07/17 1:35	C7K0082	CK70613
Acenaphthylene	ND (0.23)		EPH8270		1	VSC	11/07/17 1:35	C7K0082	CK70613
Anthracene	ND (0.45)		EPH8270		1	VSC	11/07/17 1:35	C7K0082	CK70613
Benzo(a)anthracene	ND (0.45)		EPH8270		1	VSC	11/07/17 1:35	C7K0082	CK70613
Benzo(a)pyrene	ND (0.45)		EPH8270		1	VSC	11/07/17 1:35	C7K0082	CK70613
Benzo(b)fluoranthene	ND (0.45)		EPH8270		1	VSC	11/07/17 1:35	C7K0082	CK70613
Benzo(g,h,i)perylene	ND (0.45)		EPH8270		1	VSC	11/07/17 1:35	C7K0082	CK70613
Benzo(k)fluoranthene	ND (0.45)		EPH8270		1	VSC	11/07/17 1:35	C7K0082	CK70613
Chrysene	ND (0.45)		EPH8270		1	VSC	11/07/17 1:35	C7K0082	CK70613
Dibenzo(a,h)Anthracene	ND (0.23)		EPH8270		1	VSC	11/07/17 1:35	C7K0082	CK70613
Fluoranthene	ND (0.45)		EPH8270		1	VSC	11/07/17 1:35	C7K0082	CK70613
Fluorene	ND (0.45)		EPH8270		1	VSC	11/07/17 1:35	C7K0082	CK70613
Indeno(1,2,3-cd)Pyrene	ND (0.45)		EPH8270		1	VSC	11/07/17 1:35	C7K0082	CK70613
Pyrene	ND (0.45)		EPH8270		1	VSC	11/07/17 1:35	C7K0082	CK70613

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1-Chlorooctadecane</i>	85 %		40-140
<i>Surrogate: 2-Bromonaphthalene</i>	73 %		40-140
<i>Surrogate: 2-Fluorobiphenyl</i>	77 %		40-140
<i>Surrogate: O-Terphenyl</i>	69 %		40-140



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-6 8-10  
Date Sampled: 10/31/17 13:15  
Percent Solids: 89  
Initial Volume: 14.3  
Final Volume: 15  
Extraction Method: 5035

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-08  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**MADEP-VPH Volatile Petroleum Hydrocarbon**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
C9-C10 Aromatics	ND (12.9)		MADEP-VPH		1	11/04/17 0:58	C7K0051	CK70319
C5-C8 Aliphatics1,2	ND (12.9)		MADEP-VPH		1	11/04/17 0:58		[CALC]
C9-C12 Aliphatics2,3	ND (12.9)		MADEP-VPH		1	11/04/17 0:58		[CALC]
Benzene	ND (0.26)		MADEP-VPH		1	11/04/17 0:58	C7K0051	CK70319
Ethylbenzene	ND (0.26)		MADEP-VPH		1	11/04/17 0:58	C7K0051	CK70319
Methyl tert-Butyl Ether	ND (0.06)		MADEP-VPH		1	11/04/17 0:58	C7K0051	CK70319
Naphthalene	ND (0.26)		MADEP-VPH		1	11/04/17 0:58	C7K0051	CK70319
Toluene	ND (0.26)		MADEP-VPH		1	11/04/17 0:58	C7K0051	CK70319
Xylene O	ND (0.26)		MADEP-VPH		1	11/04/17 0:58	C7K0051	CK70319
Xylene P,M	ND (0.52)		MADEP-VPH		1	11/04/17 0:58	C7K0051	CK70319
<b>1:1 Methanol/Soil Ratio %D</b>	<b>5 (N/A)</b>		MADEP-VPH			11/03/17 7:40		CK70319
<b>Preservative:</b>	<b>MeOH - covered</b>		MADEP-VPH					CK70319

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 2,5-Dibromotoluene - FID</i>	<i>105 %</i>		<i>70-130</i>
<i>Surrogate: 2,5-Dibromotoluene - PID</i>	<i>102 %</i>		<i>70-130</i>
<i>Surrogate: Trifluorotoluene - FID</i>	<i>111 %</i>		<i>70-130</i>
<i>Surrogate: Trifluorotoluene - PID</i>	<i>111 %</i>		<i>70-130</i>



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-7 0-2  
Date Sampled: 10/31/17 11:30  
Percent Solids: 78

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-09  
Sample Matrix: Soil  
Units: mg/kg dry

Extraction Method: 3050B

**Total Metals**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Antimony	2.23 (0.52)		6020A		20	NAR	11/07/17 16:37	2.47	100	CK70260
Arsenic	8.77 (2.60)		6010C		1	KJK	11/04/17 23:25	2.47	100	CK70260
Barium	50.6 (2.60)		6010C		1	KJK	11/04/17 23:25	2.47	100	CK70260
Beryllium	0.32 (0.11)		6010C		1	KJK	11/04/17 23:25	2.47	100	CK70260
Cadmium	ND (0.52)		6010C		1	KJK	11/04/17 23:25	2.47	100	CK70260
Chromium	15.2 (1.04)		6010C		1	KJK	11/04/17 23:25	2.47	100	CK70260
Lead	333 (5.20)		6010C		1	KJK	11/04/17 23:25	2.47	100	CK70260
Mercury	0.523 (0.265)		7471B		10	MJV	11/06/17 15:17	0.96	40	CK70348
Nickel	21.9 (2.60)		6010C		1	KJK	11/04/17 23:25	2.47	100	CK70260
Selenium	ND (0.52)		6020A		20	NAR	11/07/17 16:37	2.47	100	CK70260
Silver	ND (0.52)		6010C		1	BJV	11/06/17 12:31	2.47	100	CK70260
Thallium	ND (0.52)		6020A		20	NAR	11/07/17 16:37	2.47	100	CK70260
Vanadium	24.6 (1.04)		6010C		1	KJK	11/04/17 23:25	2.47	100	CK70260
Zinc	341 (2.60)		6010C		1	KJK	11/04/17 23:25	2.47	100	CK70260



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-7 0-2  
Date Sampled: 10/31/17 11:30  
Percent Solids: 78  
Initial Volume: 6.2  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-09  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1,1,2-Tetrachloroethane	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
1,1,1-Trichloroethane	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
1,1,2,2-Tetrachloroethane	ND (0.0021)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
1,1,2-Trichloroethane	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
1,1-Dichloroethane	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
1,1-Dichloroethene	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
1,1-Dichloropropene	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
1,2,3-Trichlorobenzene	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
1,2,3-Trichloropropane	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
1,2,4-Trichlorobenzene	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
1,2,4-Trimethylbenzene	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
1,2-Dibromo-3-Chloropropane	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
1,2-Dibromoethane	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
1,2-Dichlorobenzene	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
1,2-Dichloroethane	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
1,2-Dichloropropane	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
1,3,5-Trimethylbenzene	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
1,3-Dichlorobenzene	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
1,3-Dichloropropane	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
1,4-Dichlorobenzene	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
1,4-Dioxane	ND (0.103)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
2,2-Dichloropropane	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
2-Butanone	ND (0.0103)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
2-Chlorotoluene	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
2-Hexanone	ND (0.0103)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
4-Chlorotoluene	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
4-Isopropyltoluene	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
4-Methyl-2-Pentanone	ND (0.0103)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
Acetone	ND (0.0103)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
Benzene	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
Bromobenzene	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
Bromochloromethane	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-7 0-2  
Date Sampled: 10/31/17 11:30  
Percent Solids: 78  
Initial Volume: 6.2  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-09  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Bromodichloromethane	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
Bromoform	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
Bromomethane	ND (0.0103)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
Carbon Disulfide	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
Carbon Tetrachloride	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
Chlorobenzene	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
Chloroethane	ND (0.0103)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
Chloroform	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
Chloromethane	ND (0.0103)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
cis-1,2-Dichloroethene	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
cis-1,3-Dichloropropene	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
Dibromochloromethane	ND (0.0021)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
Dibromomethane	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
Dichlorodifluoromethane	ND (0.0103)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
Diethyl Ether	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
Di-isopropyl ether	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
Ethyl tertiary-butyl ether	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
Ethylbenzene	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
Hexachlorobutadiene	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
Isopropylbenzene	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
Methyl tert-Butyl Ether	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
Methylene Chloride	ND (0.0103)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
Naphthalene	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
n-Butylbenzene	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
n-Propylbenzene	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
sec-Butylbenzene	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
Styrene	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
tert-Butylbenzene	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
Tertiary-amyl methyl ether	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
Tetrachloroethene	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
Tetrahydrofuran	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
Toluene	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-7 0-2  
Date Sampled: 10/31/17 11:30  
Percent Solids: 78  
Initial Volume: 6.2  
Final Volume: 10  
Extraction Method: 5035

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-09  
Sample Matrix: Soil  
Units: mg/kg dry  
Analyst: MEK

**5035/8260B Volatile Organic Compounds / Low Level**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
trans-1,2-Dichloroethene	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
trans-1,3-Dichloropropene	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
Trichloroethene	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
Trichlorofluoromethane	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
Vinyl Chloride	ND (0.0103)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
Xylene O	ND (0.0052)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
Xylene P,M	ND (0.0103)		8260B Low		1	11/07/17 22:37	C7K0124	CK70753
Xylenes (Total)	ND (0.0103)		8260B Low		1	11/07/17 22:37		[CALC]

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>99 %</i>		<i>70-130</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>99 %</i>		<i>70-130</i>
<i>Surrogate: Dibromofluoromethane</i>	<i>96 %</i>		<i>70-130</i>
<i>Surrogate: Toluene-d8</i>	<i>97 %</i>		<i>70-130</i>



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park  
Client Sample ID: P-7 0-2  
Date Sampled: 10/31/17 11:30  
Percent Solids: 78  
Initial Volume: 24.5  
Final Volume: 2  
Extraction Method: 3546

ESS Laboratory Work Order: 1711067  
ESS Laboratory Sample ID: 1711067-09  
Sample Matrix: Soil  
Units: mg/kg dry  
  
Prepared: 11/6/17 15:03

**MADEP-EPH Extractable Petroleum Hydrocarbons**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
C9-C18 Aliphatics1	ND (39.3)		MADEP-EPH		1	ZLC	11/07/17 5:59	C7K0080	CK70613
C19-C36 Aliphatics1	ND (39.3)		MADEP-EPH		1	ZLC	11/07/17 5:59	C7K0080	CK70613
<b>C11-C22 Unadjusted Aromatics1</b>	<b>129</b> (39.3)		EPH8270		1	VSC	11/07/17 14:25	C7K0107	CK70613
<b>C11-C22 Aromatics1,2</b>	<b>111</b> (39.3)		EPH8270			VSC	11/07/17 14:25		[CALC]
2-Methylnaphthalene	ND (0.52)		EPH8270		1	VSC	11/07/17 14:25	C7K0107	CK70613
Acenaphthene	ND (1.05)		EPH8270		1	VSC	11/07/17 14:25	C7K0107	CK70613
Naphthalene	ND (1.05)		EPH8270		1	VSC	11/07/17 14:25	C7K0107	CK70613
<b>Phenanthrene</b>	<b>3.28</b> (1.05)		EPH8270		1	VSC	11/07/17 14:25	C7K0107	CK70613
Acenaphthylene	ND (0.52)		EPH8270		1	VSC	11/07/17 14:25	C7K0107	CK70613
Anthracene	ND (1.05)		EPH8270		1	VSC	11/07/17 14:25	C7K0107	CK70613
<b>Benzo(a)anthracene</b>	<b>1.68</b> (1.05)		EPH8270		1	VSC	11/07/17 14:25	C7K0107	CK70613
<b>Benzo(a)pyrene</b>	<b>1.47</b> (1.05)		EPH8270		1	VSC	11/07/17 14:25	C7K0107	CK70613
<b>Benzo(b)fluoranthene</b>	<b>1.83</b> (1.05)		EPH8270		1	VSC	11/07/17 14:25	C7K0107	CK70613
Benzo(g,h,i)perylene	ND (1.05)		EPH8270		1	VSC	11/07/17 14:25	C7K0107	CK70613
Benzo(k)fluoranthene	ND (1.05)		EPH8270		1	VSC	11/07/17 14:25	C7K0107	CK70613
<b>Chrysene</b>	<b>1.96</b> (1.05)		EPH8270		1	VSC	11/07/17 14:25	C7K0107	CK70613
Dibenzo(a,h)Anthracene	ND (0.52)		EPH8270		1	VSC	11/07/17 14:25	C7K0107	CK70613
<b>Fluoranthene</b>	<b>3.61</b> (1.05)		EPH8270		1	VSC	11/07/17 14:25	C7K0107	CK70613
Fluorene	ND (1.05)		EPH8270		1	VSC	11/07/17 14:25	C7K0107	CK70613
Indeno(1,2,3-cd)Pyrene	ND (1.05)		EPH8270		1	VSC	11/07/17 14:25	C7K0107	CK70613
<b>Pyrene</b>	<b>3.86</b> (1.05)		EPH8270		1	VSC	11/07/17 14:25	C7K0107	CK70613

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1-Chlorooctadecane</i>	83 %		40-140
<i>Surrogate: 2-Bromonaphthalene</i>	87 %		40-140
<i>Surrogate: 2-Fluorobiphenyl</i>	89 %		40-140
<i>Surrogate: O-Terphenyl</i>	74 %		40-140





*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
 Client Project ID: Conway Park  
 Client Sample ID: P-7 0-2  
 Date Sampled: 10/31/17 11:30  
 Percent Solids: 78  
 Initial Volume: 15  
 Final Volume: 15  
 Extraction Method: 5035

ESS Laboratory Work Order: 1711067  
 ESS Laboratory Sample ID: 1711067-09  
 Sample Matrix: Soil  
 Units: mg/kg dry  
 Analyst: MEK

**MADEP-VPH Volatile Petroleum Hydrocarbon**

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
C9-C10 Aromatics	ND (15.7)		MADEP-VPH		1	11/04/17 1:31	C7K0051	CK70319
C5-C8 Aliphatics1,2	ND (15.7)		MADEP-VPH		1	11/04/17 1:31		[CALC]
C9-C12 Aliphatics2,3	ND (15.7)		MADEP-VPH		1	11/04/17 1:31		[CALC]
Benzene	ND (0.31)		MADEP-VPH		1	11/04/17 1:31	C7K0051	CK70319
Ethylbenzene	ND (0.31)		MADEP-VPH		1	11/04/17 1:31	C7K0051	CK70319
Methyl tert-Butyl Ether	ND (0.08)		MADEP-VPH		1	11/04/17 1:31	C7K0051	CK70319
Naphthalene	ND (0.31)		MADEP-VPH		1	11/04/17 1:31	C7K0051	CK70319
Toluene	ND (0.31)		MADEP-VPH		1	11/04/17 1:31	C7K0051	CK70319
Xylene O	ND (0.31)		MADEP-VPH		1	11/04/17 1:31	C7K0051	CK70319
Xylene P,M	ND (0.63)		MADEP-VPH		1	11/04/17 1:31	C7K0051	CK70319
1:1 Methanol/Soil Ratio %D	ND (N/A)		MADEP-VPH			11/03/17 7:40		CK70319
<b>Preservative:</b>	<b>MeOH - covered</b>		MADEP-VPH					CK70319

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 2,5-Dibromotoluene - FID</i>	<i>107 %</i>		<i>70-130</i>
<i>Surrogate: 2,5-Dibromotoluene - PID</i>	<i>104 %</i>		<i>70-130</i>
<i>Surrogate: Trifluorotoluene - FID</i>	<i>116 %</i>		<i>70-130</i>
<i>Surrogate: Trifluorotoluene - PID</i>	<i>116 %</i>		<i>70-130</i>





*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711067

**Quality Control Data**

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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**Total Metals**

**Batch CK70260 - 3050B**

**Blank**

Antimony	ND	0.50	mg/kg wet
Arsenic	ND	2.50	mg/kg wet
Barium	ND	2.50	mg/kg wet
Beryllium	ND	0.11	mg/kg wet
Cadmium	ND	0.50	mg/kg wet
Chromium	ND	1.00	mg/kg wet
Lead	ND	5.00	mg/kg wet
Nickel	ND	2.50	mg/kg wet
Selenium	ND	0.50	mg/kg wet
Silver	ND	0.50	mg/kg wet
Thallium	ND	0.50	mg/kg wet
Vanadium	ND	1.00	mg/kg wet
Zinc	ND	2.50	mg/kg wet

**LCS**

Antimony	54.0	3.97	mg/kg wet	48.00	112	0-238
Arsenic	113	7.94	mg/kg wet	123.0	92	80-120
Barium	220	7.94	mg/kg wet	253.0	87	80-120
Beryllium	163	0.35	mg/kg wet	192.0	85	80-120
Chromium	160	3.17	mg/kg wet	179.0	89	80-120
Lead	128	15.9	mg/kg wet	145.0	89	80-120
Nickel	118	7.94	mg/kg wet	143.0	82	80-120
Selenium	50.8	3.97	mg/kg wet	42.40	120	80-120
Silver	77.7	1.59	mg/kg wet	81.60	95	80-120
Thallium	57.8	3.97	mg/kg wet	52.00	111	78-122
Vanadium	64.6	3.17	mg/kg wet	72.30	89	80-120
Zinc	644	7.94	mg/kg wet	770.0	84	80-120

**LCS**

Barium	215	9.80	mg/kg wet	217.0	99	80-120
Cadmium	72.1	1.96	mg/kg wet	83.70	86	80-120
Vanadium	138	3.92	mg/kg wet	140.0	99	80-120

**LCS Dup**

Antimony	47.8	4.39	mg/kg wet	48.00	100	80-120	12	30
Arsenic	130	8.77	mg/kg wet	123.0	106	80-120	15	20
Barium	234	8.77	mg/kg wet	253.0	93	80-120	6	20
Beryllium	192	0.39	mg/kg wet	192.0	100	80-120	17	20
Chromium	186	3.51	mg/kg wet	179.0	104	80-120	15	20
Lead	150	17.5	mg/kg wet	145.0	103	80-120	16	20
Nickel	137	8.77	mg/kg wet	143.0	96	80-120	15	20
Selenium	50.7	4.39	mg/kg wet	42.40	120	80-120	0.2	30
Silver	90.0	1.75	mg/kg wet	81.60	110	80-120	15	20
Thallium	57.2	4.39	mg/kg wet	52.00	110	80-120	1	30
Vanadium	73.3	3.51	mg/kg wet	72.30	101	80-120	13	20
Zinc	740	8.77	mg/kg wet	770.0	96	80-120	14	20



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711067

**Quality Control Data**

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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**Total Metals**

**Batch CK70260 - 3050B**

**LCS Dup**

Barium	211	9.09	mg/kg wet	217.0		97	80-120	2	20	
Cadmium	73.4	1.82	mg/kg wet	83.70		88	80-120	2	20	
Vanadium	133	3.64	mg/kg wet	140.0		95	80-120	4	20	

**Reference**

Barium	474	9.26	mg/kg wet	500.0		95	70-130			
Cadmium	420	1.85	mg/kg wet	500.0		84	70-130			
Chromium	498	3.70	mg/kg wet	500.0		100	70-130			
Lead	467	18.5	mg/kg wet	500.0		93	70-130			

**Batch CK70348 - 7471B**

**Blank**

Mercury	ND	0.033	mg/kg wet							
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**LCS**

Mercury	2.83	0.720	mg/kg wet	2.900		98	80-120			
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**LCS Dup**

Mercury	2.70	0.747	mg/kg wet	2.900		93	80-120	5	20	
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**5035/8260B Volatile Organic Compounds / Low Level**

**Batch CK70753 - 5035**

**Blank**

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0020	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							
2-Butanone	ND	0.0100	mg/kg wet							



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711067

**Quality Control Data**

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

**Batch CK70753 - 5035**

2-Chlorotoluene	ND	0.0050	mg/kg wet
2-Hexanone	ND	0.0100	mg/kg wet
4-Chlorotoluene	ND	0.0050	mg/kg wet
4-Isopropyltoluene	ND	0.0050	mg/kg wet
4-Methyl-2-Pentanone	ND	0.0100	mg/kg wet
Acetone	ND	0.0100	mg/kg wet
Benzene	ND	0.0050	mg/kg wet
Bromobenzene	ND	0.0050	mg/kg wet
Bromochloromethane	ND	0.0050	mg/kg wet
Bromodichloromethane	ND	0.0050	mg/kg wet
Bromoform	ND	0.0050	mg/kg wet
Bromomethane	ND	0.0100	mg/kg wet
Carbon Disulfide	ND	0.0050	mg/kg wet
Carbon Tetrachloride	ND	0.0050	mg/kg wet
Chlorobenzene	ND	0.0050	mg/kg wet
Chloroethane	ND	0.0100	mg/kg wet
Chloroform	ND	0.0050	mg/kg wet
Chloromethane	ND	0.0100	mg/kg wet
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet
Dibromochloromethane	ND	0.0020	mg/kg wet
Dibromomethane	ND	0.0050	mg/kg wet
Dichlorodifluoromethane	ND	0.0100	mg/kg wet
Diethyl Ether	ND	0.0050	mg/kg wet
Di-isopropyl ether	ND	0.0050	mg/kg wet
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet
Ethylbenzene	ND	0.0050	mg/kg wet
Hexachlorobutadiene	ND	0.0050	mg/kg wet
Isopropylbenzene	ND	0.0050	mg/kg wet
Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet
Methylene Chloride	ND	0.0100	mg/kg wet
Naphthalene	ND	0.0050	mg/kg wet
n-Butylbenzene	ND	0.0050	mg/kg wet
n-Propylbenzene	ND	0.0050	mg/kg wet
sec-Butylbenzene	ND	0.0050	mg/kg wet
Styrene	ND	0.0050	mg/kg wet
tert-Butylbenzene	ND	0.0050	mg/kg wet
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet
Tetrachloroethene	ND	0.0050	mg/kg wet
Tetrahydrofuran	ND	0.0050	mg/kg wet
Toluene	ND	0.0050	mg/kg wet
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet
Trichloroethene	ND	0.0050	mg/kg wet
Trichlorofluoromethane	ND	0.0050	mg/kg wet



CERTIFICATE OF ANALYSIS

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711067

**Quality Control Data**

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

**Batch CK70753 - 5035**

Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Xylenes (Total)	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	0.0446		mg/kg wet	0.05000		89	70-130			
Surrogate: 4-Bromofluorobenzene	0.0485		mg/kg wet	0.05000		97	70-130			
Surrogate: Dibromofluoromethane	0.0455		mg/kg wet	0.05000		91	70-130			
Surrogate: Toluene-d8	0.0493		mg/kg wet	0.05000		99	70-130			

**LCS**

1,1,1,2-Tetrachloroethane	0.0409	0.0050	mg/kg wet	0.05000		82	70-130			
1,1,1-Trichloroethane	0.0477	0.0050	mg/kg wet	0.05000		95	70-130			
1,1,2,2-Tetrachloroethane	0.0458	0.0020	mg/kg wet	0.05000		92	70-130			
1,1,2-Trichloroethane	0.0405	0.0050	mg/kg wet	0.05000		81	70-130			
1,1-Dichloroethane	0.0470	0.0050	mg/kg wet	0.05000		94	70-130			
1,1-Dichloroethene	0.0519	0.0050	mg/kg wet	0.05000		104	70-130			
1,1-Dichloropropene	0.0495	0.0050	mg/kg wet	0.05000		99	70-130			
1,2,3-Trichlorobenzene	0.0556	0.0050	mg/kg wet	0.05000		111	70-130			
1,2,3-Trichloropropane	0.0449	0.0050	mg/kg wet	0.05000		90	70-130			
1,2,4-Trichlorobenzene	0.0553	0.0050	mg/kg wet	0.05000		111	70-130			
1,2,4-Trimethylbenzene	0.0516	0.0050	mg/kg wet	0.05000		103	70-130			
1,2-Dibromo-3-Chloropropane	0.0508	0.0050	mg/kg wet	0.05000		102	70-130			
1,2-Dibromoethane	0.0422	0.0050	mg/kg wet	0.05000		84	70-130			
1,2-Dichlorobenzene	0.0531	0.0050	mg/kg wet	0.05000		106	70-130			
1,2-Dichloroethane	0.0490	0.0050	mg/kg wet	0.05000		98	70-130			
1,2-Dichloropropane	0.0426	0.0050	mg/kg wet	0.05000		85	70-130			
1,3,5-Trimethylbenzene	0.0493	0.0050	mg/kg wet	0.05000		99	70-130			
1,3-Dichlorobenzene	0.0528	0.0050	mg/kg wet	0.05000		106	70-130			
1,3-Dichloropropane	0.0480	0.0050	mg/kg wet	0.05000		96	70-130			
1,4-Dichlorobenzene	0.0513	0.0050	mg/kg wet	0.05000		103	70-130			
1,4-Dioxane	0.720	0.100	mg/kg wet	1.000		72	70-130			
2,2-Dichloropropane	0.0469	0.0050	mg/kg wet	0.05000		94	70-130			
2-Butanone	0.226	0.0100	mg/kg wet	0.2500		91	70-130			
2-Chlorotoluene	0.0486	0.0050	mg/kg wet	0.05000		97	70-130			
2-Hexanone	0.239	0.0100	mg/kg wet	0.2500		96	70-130			
4-Chlorotoluene	0.0497	0.0050	mg/kg wet	0.05000		99	70-130			
4-Isopropyltoluene	0.0518	0.0050	mg/kg wet	0.05000		104	70-130			
4-Methyl-2-Pentanone	0.202	0.0100	mg/kg wet	0.2500		81	70-130			
Acetone	0.213	0.0100	mg/kg wet	0.2500		85	70-130			
Benzene	0.0484	0.0050	mg/kg wet	0.05000		97	70-130			
Bromobenzene	0.0493	0.0050	mg/kg wet	0.05000		99	70-130			
Bromochloromethane	0.0426	0.0050	mg/kg wet	0.05000		85	70-130			
Bromodichloromethane	0.0401	0.0050	mg/kg wet	0.05000		80	70-130			
Bromoform	0.0417	0.0050	mg/kg wet	0.05000		83	70-130			
Bromomethane	0.0514	0.0100	mg/kg wet	0.05000		103	70-130			
Carbon Disulfide	0.0549	0.0050	mg/kg wet	0.05000		110	70-130			



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711067

**Quality Control Data**

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

**Batch CK70753 - 5035**

Carbon Tetrachloride	0.0411	0.0050	mg/kg wet	0.05000		82	70-130			
Chlorobenzene	0.0459	0.0050	mg/kg wet	0.05000		92	70-130			
Chloroethane	0.0451	0.0100	mg/kg wet	0.05000		90	70-130			
Chloroform	0.0469	0.0050	mg/kg wet	0.05000		94	70-130			
Chloromethane	0.0404	0.0100	mg/kg wet	0.05000		81	70-130			
cis-1,2-Dichloroethene	0.0480	0.0050	mg/kg wet	0.05000		96	70-130			
cis-1,3-Dichloropropene	0.0423	0.0050	mg/kg wet	0.05000		85	70-130			
Dibromochloromethane	0.0405	0.0020	mg/kg wet	0.05000		81	70-130			
Dibromomethane	0.0422	0.0050	mg/kg wet	0.05000		84	70-130			
Dichlorodifluoromethane	0.0386	0.0100	mg/kg wet	0.05000		77	70-130			
Diethyl Ether	0.0479	0.0050	mg/kg wet	0.05000		96	70-130			
Di-isopropyl ether	0.0569	0.0050	mg/kg wet	0.05000		114	70-130			
Ethyl tertiary-butyl ether	0.0486	0.0050	mg/kg wet	0.05000		97	70-130			
Ethylbenzene	0.0457	0.0050	mg/kg wet	0.05000		91	70-130			
Hexachlorobutadiene	0.0549	0.0050	mg/kg wet	0.05000		110	70-130			
Isopropylbenzene	0.0457	0.0050	mg/kg wet	0.05000		91	70-130			
Methyl tert-Butyl Ether	0.0563	0.0050	mg/kg wet	0.05000		113	70-130			
Methylene Chloride	0.0476	0.0100	mg/kg wet	0.05000		95	70-130			
Naphthalene	0.0554	0.0050	mg/kg wet	0.05000		111	70-130			
n-Butylbenzene	0.0518	0.0050	mg/kg wet	0.05000		104	70-130			
n-Propylbenzene	0.0491	0.0050	mg/kg wet	0.05000		98	70-130			
sec-Butylbenzene	0.0504	0.0050	mg/kg wet	0.05000		101	70-130			
Styrene	0.0418	0.0050	mg/kg wet	0.05000		84	70-130			
tert-Butylbenzene	0.0507	0.0050	mg/kg wet	0.05000		101	70-130			
Tertiary-amyl methyl ether	0.0439	0.0050	mg/kg wet	0.05000		88	70-130			
Tetrachloroethene	0.0462	0.0050	mg/kg wet	0.05000		92	70-130			
Tetrahydrofuran	0.0480	0.0050	mg/kg wet	0.05000		96	70-130			
Toluene	0.0456	0.0050	mg/kg wet	0.05000		91	70-130			
trans-1,2-Dichloroethene	0.0503	0.0050	mg/kg wet	0.05000		101	70-130			
trans-1,3-Dichloropropene	0.0407	0.0050	mg/kg wet	0.05000		81	70-130			
Trichloroethene	0.0470	0.0050	mg/kg wet	0.05000		94	70-130			
Trichlorofluoromethane	0.0459	0.0050	mg/kg wet	0.05000		92	70-130			
Vinyl Chloride	0.0454	0.0100	mg/kg wet	0.05000		91	70-130			
Xylene O	0.0455	0.0050	mg/kg wet	0.05000		91	70-130			
Xylene P,M	0.0903	0.0100	mg/kg wet	0.1000		90	70-130			
Xylenes (Total)	0.136	0.0100	mg/kg wet							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0425</i>		mg/kg wet	<i>0.05000</i>		<i>85</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0435</i>		mg/kg wet	<i>0.05000</i>		<i>87</i>	<i>70-130</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>0.0431</i>		mg/kg wet	<i>0.05000</i>		<i>86</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0432</i>		mg/kg wet	<i>0.05000</i>		<i>86</i>	<i>70-130</i>			

**LCS Dup**

1,1,1,2-Tetrachloroethane	0.0449	0.0050	mg/kg wet	0.05000		90	70-130	9	20	
1,1,1-Trichloroethane	0.0523	0.0050	mg/kg wet	0.05000		105	70-130	9	20	
1,1,2,2-Tetrachloroethane	0.0508	0.0020	mg/kg wet	0.05000		102	70-130	10	20	
1,1,2-Trichloroethane	0.0447	0.0050	mg/kg wet	0.05000		89	70-130	10	20	



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711067

**Quality Control Data**

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

**Batch CK70753 - 5035**

1,1-Dichloroethane	0.0521	0.0050	mg/kg wet	0.05000		104	70-130	10	20	
1,1-Dichloroethene	0.0574	0.0050	mg/kg wet	0.05000		115	70-130	10	20	
1,1-Dichloropropene	0.0540	0.0050	mg/kg wet	0.05000		108	70-130	9	20	
1,2,3-Trichlorobenzene	0.0600	0.0050	mg/kg wet	0.05000		120	70-130	8	20	
1,2,3-Trichloropropane	0.0500	0.0050	mg/kg wet	0.05000		100	70-130	11	20	
1,2,4-Trichlorobenzene	0.0595	0.0050	mg/kg wet	0.05000		119	70-130	7	20	
1,2,4-Trimethylbenzene	0.0562	0.0050	mg/kg wet	0.05000		112	70-130	9	20	
1,2-Dibromo-3-Chloropropane	0.0569	0.0050	mg/kg wet	0.05000		114	70-130	11	20	
1,2-Dibromoethane	0.0465	0.0050	mg/kg wet	0.05000		93	70-130	10	20	
1,2-Dichlorobenzene	0.0583	0.0050	mg/kg wet	0.05000		117	70-130	9	20	
1,2-Dichloroethane	0.0546	0.0050	mg/kg wet	0.05000		109	70-130	11	20	
1,2-Dichloropropane	0.0469	0.0050	mg/kg wet	0.05000		94	70-130	10	20	
1,3,5-Trimethylbenzene	0.0541	0.0050	mg/kg wet	0.05000		108	70-130	9	20	
1,3-Dichlorobenzene	0.0578	0.0050	mg/kg wet	0.05000		116	70-130	9	20	
1,3-Dichloropropane	0.0533	0.0050	mg/kg wet	0.05000		107	70-130	10	20	
1,4-Dichlorobenzene	0.0561	0.0050	mg/kg wet	0.05000		112	70-130	9	20	
1,4-Dioxane	0.797	0.100	mg/kg wet	1.000		80	70-130	10	20	
2,2-Dichloropropane	0.0517	0.0050	mg/kg wet	0.05000		103	70-130	10	20	
2-Butanone	0.253	0.0100	mg/kg wet	0.2500		101	70-130	11	20	
2-Chlorotoluene	0.0530	0.0050	mg/kg wet	0.05000		106	70-130	9	20	
2-Hexanone	0.269	0.0100	mg/kg wet	0.2500		108	70-130	12	20	
4-Chlorotoluene	0.0542	0.0050	mg/kg wet	0.05000		108	70-130	9	20	
4-Isopropyltoluene	0.0563	0.0050	mg/kg wet	0.05000		113	70-130	8	20	
4-Methyl-2-Pentanone	0.227	0.0100	mg/kg wet	0.2500		91	70-130	12	20	
Acetone	0.242	0.0100	mg/kg wet	0.2500		97	70-130	13	20	
Benzene	0.0534	0.0050	mg/kg wet	0.05000		107	70-130	10	20	
Bromobenzene	0.0546	0.0050	mg/kg wet	0.05000		109	70-130	10	20	
Bromochloromethane	0.0471	0.0050	mg/kg wet	0.05000		94	70-130	10	20	
Bromodichloromethane	0.0441	0.0050	mg/kg wet	0.05000		88	70-130	10	20	
Bromoform	0.0455	0.0050	mg/kg wet	0.05000		91	70-130	9	20	
Bromomethane	0.0576	0.0100	mg/kg wet	0.05000		115	70-130	12	20	
Carbon Disulfide	0.0601	0.0050	mg/kg wet	0.05000		120	70-130	9	20	
Carbon Tetrachloride	0.0450	0.0050	mg/kg wet	0.05000		90	70-130	9	20	
Chlorobenzene	0.0502	0.0050	mg/kg wet	0.05000		100	70-130	9	20	
Chloroethane	0.0494	0.0100	mg/kg wet	0.05000		99	70-130	9	20	
Chloroform	0.0518	0.0050	mg/kg wet	0.05000		104	70-130	10	20	
Chloromethane	0.0440	0.0100	mg/kg wet	0.05000		88	70-130	9	20	
cis-1,2-Dichloroethene	0.0533	0.0050	mg/kg wet	0.05000		107	70-130	10	20	
cis-1,3-Dichloropropene	0.0464	0.0050	mg/kg wet	0.05000		93	70-130	9	20	
Dibromochloromethane	0.0442	0.0020	mg/kg wet	0.05000		88	70-130	9	20	
Dibromomethane	0.0468	0.0050	mg/kg wet	0.05000		94	70-130	10	20	
Dichlorodifluoromethane	0.0423	0.0100	mg/kg wet	0.05000		85	70-130	9	20	
Diethyl Ether	0.0530	0.0050	mg/kg wet	0.05000		106	70-130	10	20	
Di-isopropyl ether	0.0628	0.0050	mg/kg wet	0.05000		126	70-130	10	20	
Ethyl tertiary-butyl ether	0.0538	0.0050	mg/kg wet	0.05000		108	70-130	10	20	



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
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ESS Laboratory Work Order: 1711067

**Quality Control Data**

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

**Batch CK70753 - 5035**

Ethylbenzene	0.0498	0.0050	mg/kg wet	0.05000		100	70-130	9	20	
Hexachlorobutadiene	0.0594	0.0050	mg/kg wet	0.05000		119	70-130	8	20	
Isopropylbenzene	0.0501	0.0050	mg/kg wet	0.05000		100	70-130	9	20	
Methyl tert-Butyl Ether	0.0625	0.0050	mg/kg wet	0.05000		125	70-130	10	20	
Methylene Chloride	0.0529	0.0100	mg/kg wet	0.05000		106	70-130	10	20	
Naphthalene	0.0610	0.0050	mg/kg wet	0.05000		122	70-130	10	20	
n-Butylbenzene	0.0562	0.0050	mg/kg wet	0.05000		112	70-130	8	20	
n-Propylbenzene	0.0535	0.0050	mg/kg wet	0.05000		107	70-130	8	20	
sec-Butylbenzene	0.0549	0.0050	mg/kg wet	0.05000		110	70-130	9	20	
Styrene	0.0456	0.0050	mg/kg wet	0.05000		91	70-130	9	20	
tert-Butylbenzene	0.0553	0.0050	mg/kg wet	0.05000		111	70-130	9	20	
Tertiary-amyl methyl ether	0.0484	0.0050	mg/kg wet	0.05000		97	70-130	10	20	
Tetrachloroethene	0.0504	0.0050	mg/kg wet	0.05000		101	70-130	9	20	
Tetrahydrofuran	0.0545	0.0050	mg/kg wet	0.05000		109	70-130	13	20	
Toluene	0.0504	0.0050	mg/kg wet	0.05000		101	70-130	10	20	
trans-1,2-Dichloroethene	0.0557	0.0050	mg/kg wet	0.05000		111	70-130	10	20	
trans-1,3-Dichloropropene	0.0447	0.0050	mg/kg wet	0.05000		89	70-130	10	20	
Trichloroethene	0.0518	0.0050	mg/kg wet	0.05000		104	70-130	10	20	
Trichlorofluoromethane	0.0502	0.0050	mg/kg wet	0.05000		100	70-130	9	20	
Vinyl Chloride	0.0496	0.0100	mg/kg wet	0.05000		99	70-130	9	20	
Xylene O	0.0496	0.0050	mg/kg wet	0.05000		99	70-130	9	20	
Xylene P,M	0.0977	0.0100	mg/kg wet	0.1000		98	70-130	8	20	
Xylenes (Total)	0.147	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	0.0427		mg/kg wet	0.05000		85	70-130			
Surrogate: 4-Bromofluorobenzene	0.0434		mg/kg wet	0.05000		87	70-130			
Surrogate: Dibromofluoromethane	0.0431		mg/kg wet	0.05000		86	70-130			
Surrogate: Toluene-d8	0.0431		mg/kg wet	0.05000		86	70-130			

MADEP-EPH Extractable Petroleum Hydrocarbons

**Batch CK70307 - 3546**

<b>Blank</b>										
C19-C36 Aliphatics1	ND	15.0	mg/kg wet							
C9-C18 Aliphatics1	ND	15.0	mg/kg wet							
Decane (C10)	ND	0.5	mg/kg wet							
Docosane (C22)	ND	0.5	mg/kg wet							
Dodecane (C12)	ND	0.5	mg/kg wet							
Eicosane (C20)	ND	0.5	mg/kg wet							
Hexacosane (C26)	ND	0.5	mg/kg wet							
Hexadecane (C16)	ND	0.5	mg/kg wet							
Hexatriacontane (C36)	ND	0.5	mg/kg wet							
Nonadecane (C19)	ND	0.5	mg/kg wet							
Nonane (C9)	ND	0.5	mg/kg wet							
Octacosane (C28)	ND	0.5	mg/kg wet							
Octadecane (C18)	ND	0.5	mg/kg wet							
Tetracosane (C24)	ND	0.5	mg/kg wet							





*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711067

**Quality Control Data**

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
<b>MADEP-EPH Extractable Petroleum Hydrocarbons</b>										
<b>Batch CK70307 - 3546</b>										
Tetradecane (C14)	ND	0.5	mg/kg wet							
Triacotane (C30)	ND	0.5	mg/kg wet							
<i>Surrogate: 1-Chlorooctadecane</i>	<i>1.65</i>		mg/kg wet	<i>2.000</i>		<i>82</i>	<i>40-140</i>			
<b>Blank</b>										
2-Methylnaphthalene	ND	0.20	mg/kg wet							
Acenaphthene	ND	0.40	mg/kg wet							
Acenaphthylene	ND	0.20	mg/kg wet							
Anthracene	ND	0.40	mg/kg wet							
Benzo(a)anthracene	ND	0.40	mg/kg wet							
Benzo(a)pyrene	ND	0.40	mg/kg wet							
Benzo(b)fluoranthene	ND	0.40	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.40	mg/kg wet							
Benzo(k)fluoranthene	ND	0.40	mg/kg wet							
C11-C22 Aromatics1,2	ND	15.0	mg/kg wet							
C11-C22 Unadjusted Aromatics1	ND	15.0	mg/kg wet							
Chrysene	ND	0.40	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.20	mg/kg wet							
Fluoranthene	ND	0.40	mg/kg wet							
Fluorene	ND	0.40	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.40	mg/kg wet							
Naphthalene	ND	0.40	mg/kg wet							
Phenanthrene	ND	0.40	mg/kg wet							
Pyrene	ND	0.40	mg/kg wet							
<i>Surrogate: 2-Bromonaphthalene</i>	<i>1.62</i>		mg/kg wet	<i>2.000</i>		<i>81</i>	<i>40-140</i>			
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>1.78</i>		mg/kg wet	<i>2.000</i>		<i>89</i>	<i>40-140</i>			
<i>Surrogate: O-Terphenyl</i>	<i>1.59</i>		mg/kg wet	<i>2.000</i>		<i>80</i>	<i>40-140</i>			
<b>LCS</b>										
C19-C36 Aliphatics1	18.1	15.0	mg/kg wet	16.00		113	40-140			
C9-C18 Aliphatics1	10.8	15.0	mg/kg wet	12.00		90	40-140			
Decane (C10)	1.3	0.5	mg/kg wet	2.000		63	40-140			
Docosane (C22)	1.7	0.5	mg/kg wet	2.000		86	40-140			
Dodecane (C12)	1.2	0.5	mg/kg wet	2.000		60	40-140			
Eicosane (C20)	1.7	0.5	mg/kg wet	2.000		85	40-140			
Hexacosane (C26)	1.7	0.5	mg/kg wet	2.000		86	40-140			
Hexadecane (C16)	1.6	0.5	mg/kg wet	2.000		82	40-140			
Hexatriacontane (C36)	1.8	0.5	mg/kg wet	2.000		89	40-140			
Nonadecane (C19)	1.7	0.5	mg/kg wet	2.000		87	40-140			
Nonane (C9)	1.0	0.5	mg/kg wet	2.000		52	30-140			
Octacosane (C28)	1.7	0.5	mg/kg wet	2.000		85	40-140			
Octadecane (C18)	1.6	0.5	mg/kg wet	2.000		82	40-140			
Tetracosane (C24)	1.7	0.5	mg/kg wet	2.000		87	40-140			
Tetradecane (C14)	1.5	0.5	mg/kg wet	2.000		76	40-140			
Triacotane (C30)	1.7	0.5	mg/kg wet	2.000		85	40-140			
<i>Surrogate: 1-Chlorooctadecane</i>	<i>1.62</i>		mg/kg wet	<i>2.000</i>		<i>81</i>	<i>40-140</i>			





*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711067

**Quality Control Data**

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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**MADEP-EPH Extractable Petroleum Hydrocarbons**

**Batch CK70307 - 3546**

**LCS**

2-Methylnaphthalene	1.62	0.20	mg/kg wet	2.000		81	40-140			
Acenaphthene	1.81	0.40	mg/kg wet	2.000		90	40-140			
Acenaphthylene	1.85	0.20	mg/kg wet	2.000		93	40-140			
Anthracene	1.92	0.40	mg/kg wet	2.000		96	40-140			
Benzo(a)anthracene	1.94	0.40	mg/kg wet	2.000		97	40-140			
Benzo(a)pyrene	1.88	0.40	mg/kg wet	2.000		94	40-140			
Benzo(b)fluoranthene	1.94	0.40	mg/kg wet	2.000		97	40-140			
Benzo(g,h,i)perylene	1.42	0.40	mg/kg wet	2.000		71	40-140			
Benzo(k)fluoranthene	1.93	0.40	mg/kg wet	2.000		96	40-140			
C11-C22 Aromatics1,2	6.75	15.0	mg/kg wet							
C11-C22 Unadjusted Aromatics1	36.9	15.0	mg/kg wet	34.00		109	40-140			
Chrysene	1.81	0.40	mg/kg wet	2.000		91	40-140			
Dibenzo(a,h)Anthracene	1.55	0.20	mg/kg wet	2.000		77	40-140			
Fluoranthene	1.79	0.40	mg/kg wet	2.000		89	40-140			
Fluorene	1.83	0.40	mg/kg wet	2.000		91	40-140			
Indeno(1,2,3-cd)Pyrene	1.58	0.40	mg/kg wet	2.000		79	40-140			
Naphthalene	1.71	0.40	mg/kg wet	2.000		86	40-140			
Phenanthrene	1.81	0.40	mg/kg wet	2.000		91	40-140			
Pyrene	1.82	0.40	mg/kg wet	2.000		91	40-140			
Surrogate: 2-Bromonaphthalene	1.64		mg/kg wet	2.000		82	40-140			
Surrogate: 2-Fluorobiphenyl	1.84		mg/kg wet	2.000		92	40-140			
Surrogate: O-Terphenyl	1.69		mg/kg wet	2.000		84	40-140			

**LCS**

2-Methylnaphthalene Breakthrough	0.0		%				0-5			
Naphthalene Breakthrough	0.0		%				0-5			

**LCS Dup**

C19-C36 Aliphatics1	18.7	15.0	mg/kg wet	16.00		117	40-140	4	25	
C9-C18 Aliphatics1	11.1	15.0	mg/kg wet	12.00		92	40-140	3	25	
Decane (C10)	1.3	0.5	mg/kg wet	2.000		63	40-140	0.1	25	
Docosane (C22)	1.8	0.5	mg/kg wet	2.000		89	40-140	3	25	
Dodecane (C12)	1.2	0.5	mg/kg wet	2.000		61	40-140	1	25	
Eicosane (C20)	1.8	0.5	mg/kg wet	2.000		88	40-140	3	25	
Hexacosane (C26)	1.8	0.5	mg/kg wet	2.000		89	40-140	3	25	
Hexadecane (C16)	1.7	0.5	mg/kg wet	2.000		85	40-140	3	25	
Hexatriacontane (C36)	1.9	0.5	mg/kg wet	2.000		93	40-140	4	25	
Nonadecane (C19)	1.8	0.5	mg/kg wet	2.000		90	40-140	3	25	
Nonane (C9)	1.1	0.5	mg/kg wet	2.000		53	30-140	0.7	25	
Octacosane (C28)	1.8	0.5	mg/kg wet	2.000		89	40-140	4	25	
Octadecane (C18)	1.7	0.5	mg/kg wet	2.000		85	40-140	3	25	
Tetracosane (C24)	1.8	0.5	mg/kg wet	2.000		90	40-140	3	25	
Tetradecane (C14)	1.5	0.5	mg/kg wet	2.000		76	40-140	0.6	25	
Triacotane (C30)	1.8	0.5	mg/kg wet	2.000		88	40-140	4	25	

Surrogate: 1-Chlorooctadecane 1.63 mg/kg wet 2.000 81 40-140



CERTIFICATE OF ANALYSIS

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711067

**Quality Control Data**

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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MADEP-EPH Extractable Petroleum Hydrocarbons

**Batch CK70307 - 3546**

**LCS Dup**

2-Methylnaphthalene	1.64	0.20	mg/kg wet	2.000		82	40-140	1	30	
Acenaphthene	1.83	0.40	mg/kg wet	2.000		92	40-140	1	30	
Acenaphthylene	1.93	0.20	mg/kg wet	2.000		96	40-140	4	30	
Anthracene	1.86	0.40	mg/kg wet	2.000		93	40-140	3	30	
Benzo(a)anthracene	1.85	0.40	mg/kg wet	2.000		93	40-140	5	30	
Benzo(a)pyrene	1.78	0.40	mg/kg wet	2.000		89	40-140	6	30	
Benzo(b)fluoranthene	1.93	0.40	mg/kg wet	2.000		96	40-140	0.3	30	
Benzo(g,h,i)perylene	1.38	0.40	mg/kg wet	2.000		69	40-140	3	30	
Benzo(k)fluoranthene	1.83	0.40	mg/kg wet	2.000		92	40-140	5	30	
C11-C22 Aromatics1,2	6.48	15.0	mg/kg wet							
C11-C22 Unadjusted Aromatics1	36.3	15.0	mg/kg wet	34.00		107	40-140	2	25	
Chrysene	1.82	0.40	mg/kg wet	2.000		91	40-140	0.4	30	
Dibenzo(a,h)Anthracene	1.49	0.20	mg/kg wet	2.000		74	40-140	4	30	
Fluoranthene	1.73	0.40	mg/kg wet	2.000		87	40-140	3	30	
Fluorene	1.84	0.40	mg/kg wet	2.000		92	40-140	0.9	30	
Indeno(1,2,3-cd)Pyrene	1.56	0.40	mg/kg wet	2.000		78	40-140	2	30	
Naphthalene	1.82	0.40	mg/kg wet	2.000		91	40-140	6	30	
Phenanthrene	1.71	0.40	mg/kg wet	2.000		86	40-140	6	30	
Pyrene	1.80	0.40	mg/kg wet	2.000		90	40-140	1	30	
Surrogate: 2-Bromonaphthalene	1.37		mg/kg wet	2.000		69	40-140			
Surrogate: 2-Fluorobiphenyl	1.85		mg/kg wet	2.000		93	40-140			
Surrogate: O-Terphenyl	1.65		mg/kg wet	2.000		82	40-140			

**LCS Dup**

2-Methylnaphthalene Breakthrough	0.0		%				0-5		200	
Naphthalene Breakthrough	0.0		%				0-5		200	

**Batch CK70613 - 3546**

**Blank**

C19-C36 Aliphatics1	ND	15.0	mg/kg wet							
C9-C18 Aliphatics1	ND	15.0	mg/kg wet							
Decane (C10)	ND	0.5	mg/kg wet							
Docosane (C22)	ND	0.5	mg/kg wet							
Dodecane (C12)	ND	0.5	mg/kg wet							
Eicosane (C20)	ND	0.5	mg/kg wet							
Hexacosane (C26)	ND	0.5	mg/kg wet							
Hexadecane (C16)	ND	0.5	mg/kg wet							
Hexatriacontane (C36)	ND	0.5	mg/kg wet							
Nonadecane (C19)	ND	0.5	mg/kg wet							
Nonane (C9)	ND	0.5	mg/kg wet							
Octacosane (C28)	ND	0.5	mg/kg wet							
Octadecane (C18)	ND	0.5	mg/kg wet							
Tetracosane (C24)	ND	0.5	mg/kg wet							
Tetradecane (C14)	ND	0.5	mg/kg wet							
Triacotane (C30)	ND	0.5	mg/kg wet							



CERTIFICATE OF ANALYSIS

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711067

**Quality Control Data**

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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MADEP-EPH Extractable Petroleum Hydrocarbons

**Batch CK70613 - 3546**

*Surrogate: 1-Chlorooctadecane*      1.78      mg/kg wet      2.000      89      40-140

**Blank**

2-Methylnaphthalene	ND	0.20	mg/kg wet							
Acenaphthene	ND	0.40	mg/kg wet							
Acenaphthylene	ND	0.20	mg/kg wet							
Anthracene	ND	0.40	mg/kg wet							
Benzo(a)anthracene	ND	0.40	mg/kg wet							
Benzo(a)pyrene	ND	0.40	mg/kg wet							
Benzo(b)fluoranthene	ND	0.40	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.40	mg/kg wet							
Benzo(k)fluoranthene	ND	0.40	mg/kg wet							
C11-C22 Aromatics1,2	ND	15.0	mg/kg wet							
C11-C22 Unadjusted Aromatics1	ND	15.0	mg/kg wet							
Chrysene	ND	0.40	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.20	mg/kg wet							
Fluoranthene	ND	0.40	mg/kg wet							
Fluorene	ND	0.40	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.40	mg/kg wet							
Naphthalene	ND	0.40	mg/kg wet							
Phenanthrene	ND	0.40	mg/kg wet							
Pyrene	ND	0.40	mg/kg wet							
<i>Surrogate: 2-Bromonaphthalene</i>	1.75		mg/kg wet	2.000		88	40-140			
<i>Surrogate: 2-Fluorobiphenyl</i>	1.79		mg/kg wet	2.000		90	40-140			
<i>Surrogate: O-Terphenyl</i>	1.65		mg/kg wet	2.000		82	40-140			

**LCS**

C19-C36 Aliphatics1	20.5	15.0	mg/kg wet	16.00		128	40-140			
C9-C18 Aliphatics1	10.0	15.0	mg/kg wet	12.00		83	40-140			
Decane (C10)	1.1	0.5	mg/kg wet	2.000		54	40-140			
Docosane (C22)	1.8	0.5	mg/kg wet	2.000		90	40-140			
Dodecane (C12)	1.2	0.5	mg/kg wet	2.000		62	40-140			
Eicosane (C20)	1.8	0.5	mg/kg wet	2.000		89	40-140			
Hexacosane (C26)	1.8	0.5	mg/kg wet	2.000		91	40-140			
Hexadecane (C16)	1.6	0.5	mg/kg wet	2.000		82	40-140			
Hexatriacontane (C36)	1.8	0.5	mg/kg wet	2.000		91	40-140			
Nonadecane (C19)	1.8	0.5	mg/kg wet	2.000		91	40-140			
Nonane (C9)	0.8	0.5	mg/kg wet	2.000		42	30-140			
Octacosane (C28)	1.8	0.5	mg/kg wet	2.000		91	40-140			
Octadecane (C18)	1.7	0.5	mg/kg wet	2.000		85	40-140			
Tetracosane (C24)	1.8	0.5	mg/kg wet	2.000		91	40-140			
Tetradecane (C14)	1.4	0.5	mg/kg wet	2.000		68	40-140			
triacontane (C30)	1.8	0.5	mg/kg wet	2.000		92	40-140			

*Surrogate: 1-Chlorooctadecane*      1.79      mg/kg wet      2.000      90      40-140

**LCS**



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711067

**Quality Control Data**

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
<b>MADEP-EPH Extractable Petroleum Hydrocarbons</b>										
<b>Batch CK70613 - 3546</b>										
2-Methylnaphthalene	1.56	0.20	mg/kg wet	2.000		78	40-140			
Acenaphthene	1.74	0.40	mg/kg wet	2.000		87	40-140			
Acenaphthylene	1.78	0.20	mg/kg wet	2.000		89	40-140			
Anthracene	1.84	0.40	mg/kg wet	2.000		92	40-140			
Benzo(a)anthracene	1.85	0.40	mg/kg wet	2.000		92	40-140			
Benzo(a)pyrene	1.76	0.40	mg/kg wet	2.000		88	40-140			
Benzo(b)fluoranthene	1.85	0.40	mg/kg wet	2.000		93	40-140			
Benzo(g,h,i)perylene	1.75	0.40	mg/kg wet	2.000		88	40-140			
Benzo(k)fluoranthene	1.79	0.40	mg/kg wet	2.000		90	40-140			
C11-C22 Aromatics1,2	6.75	15.0	mg/kg wet							
C11-C22 Unadjusted Aromatics1	36.8	15.0	mg/kg wet	34.00		108	40-140			
Chrysene	1.79	0.40	mg/kg wet	2.000		90	40-140			
Dibenzo(a,h)Anthracene	1.86	0.20	mg/kg wet	2.000		93	40-140			
Fluoranthene	1.77	0.40	mg/kg wet	2.000		89	40-140			
Fluorene	1.70	0.40	mg/kg wet	2.000		85	40-140			
Indeno(1,2,3-cd)Pyrene	1.89	0.40	mg/kg wet	2.000		94	40-140			
Naphthalene	1.65	0.40	mg/kg wet	2.000		82	40-140			
Phenanthrene	1.66	0.40	mg/kg wet	2.000		83	40-140			
Pyrene	1.77	0.40	mg/kg wet	2.000		89	40-140			
Surrogate: 2-Bromonaphthalene	1.61		mg/kg wet	2.000		81	40-140			
Surrogate: 2-Fluorobiphenyl	1.80		mg/kg wet	2.000		90	40-140			
Surrogate: O-Terphenyl	1.71		mg/kg wet	2.000		86	40-140			
<b>LCS</b>										
2-Methylnaphthalene Breakthrough	0.0		%				0-5			
Naphthalene Breakthrough	0.0		%				0-5			
<b>LCS Dup</b>										
C19-C36 Aliphatics1	17.3	15.0	mg/kg wet	16.00		108	40-140	17	25	
C9-C18 Aliphatics1	9.4	15.0	mg/kg wet	12.00		78	40-140	7	25	
Decane (C10)	1.0	0.5	mg/kg wet	2.000		50	40-140	7	25	
Docosane (C22)	1.6	0.5	mg/kg wet	2.000		80	40-140	12	25	
Dodecane (C12)	1.0	0.5	mg/kg wet	2.000		50	40-140	21	25	
Eicosane (C20)	1.6	0.5	mg/kg wet	2.000		79	40-140	12	25	
Hexacosane (C26)	1.6	0.5	mg/kg wet	2.000		80	40-140	14	25	
Hexadecane (C16)	1.4	0.5	mg/kg wet	2.000		72	40-140	13	25	
Hexatriacontane (C36)	1.6	0.5	mg/kg wet	2.000		80	40-140	13	25	
Nonadecane (C19)	1.6	0.5	mg/kg wet	2.000		80	40-140	13	25	
Nonane (C9)	0.8	0.5	mg/kg wet	2.000		38	30-140	12	25	
Octacosane (C28)	1.6	0.5	mg/kg wet	2.000		79	40-140	15	25	
Octadecane (C18)	1.5	0.5	mg/kg wet	2.000		75	40-140	13	25	
Tetracosane (C24)	1.6	0.5	mg/kg wet	2.000		80	40-140	13	25	
Tetradecane (C14)	1.2	0.5	mg/kg wet	2.000		62	40-140	10	25	
Triacontane (C30)	1.6	0.5	mg/kg wet	2.000		78	40-140	16	25	
Surrogate: 1-Chlorooctadecane	1.13		mg/kg wet	2.000		57	40-140			
<b>LCS Dup</b>										



CERTIFICATE OF ANALYSIS

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711067

**Quality Control Data**

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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MADEP-EPH Extractable Petroleum Hydrocarbons

**Batch CK70613 - 3546**

2-Methylnaphthalene	1.49	0.20	mg/kg wet	2.000		75	40-140	5	30	
Acenaphthene	1.66	0.40	mg/kg wet	2.000		83	40-140	5	30	
Acenaphthylene	1.72	0.20	mg/kg wet	2.000		86	40-140	3	30	
Anthracene	1.83	0.40	mg/kg wet	2.000		91	40-140	0.7	30	
Benzo(a)anthracene	1.76	0.40	mg/kg wet	2.000		88	40-140	5	30	
Benzo(a)pyrene	1.66	0.40	mg/kg wet	2.000		83	40-140	6	30	
Benzo(b)fluoranthene	1.68	0.40	mg/kg wet	2.000		84	40-140	10	30	
Benzo(g,h,i)perylene	1.54	0.40	mg/kg wet	2.000		77	40-140	13	30	
Benzo(k)fluoranthene	1.63	0.40	mg/kg wet	2.000		82	40-140	9	30	
C11-C22 Aromatics1,2	8.18	15.0	mg/kg wet							
C11-C22 Unadjusted Aromatics1	36.6	15.0	mg/kg wet	34.00		108	40-140	0.3	25	
Chrysene	1.73	0.40	mg/kg wet	2.000		87	40-140	3	30	
Dibenzo(a,h)Anthracene	1.55	0.20	mg/kg wet	2.000		78	40-140	18	30	
Fluoranthene	1.72	0.40	mg/kg wet	2.000		86	40-140	3	30	
Fluorene	1.75	0.40	mg/kg wet	2.000		88	40-140	3	30	
Indeno(1,2,3-cd)Pyrene	1.67	0.40	mg/kg wet	2.000		84	40-140	12	30	
Naphthalene	1.61	0.40	mg/kg wet	2.000		80	40-140	3	30	
Phenanthrene	1.73	0.40	mg/kg wet	2.000		86	40-140	4	30	
Pyrene	1.73	0.40	mg/kg wet	2.000		87	40-140	2	30	
Surrogate: 2-Bromonaphthalene	1.71		mg/kg wet	2.000		85	40-140			
Surrogate: 2-Fluorobiphenyl	1.74		mg/kg wet	2.000		87	40-140			
Surrogate: O-Terphenyl	1.61		mg/kg wet	2.000		80	40-140			

**LCS Dup**

2-Methylnaphthalene Breakthrough	0.0		%				0-5		200	
Naphthalene Breakthrough	0.0		%				0-5		200	

MADEP-VPH Volatile Petroleum Hydrocarbon

**Batch CK70319 - 5035**

<b>Blank</b>										
1,2,4-Trimethylbenzene	ND	0.20	mg/kg wet							
2,2,4-Trimethylpentane	ND	5.00	mg/kg wet							
2-Methylpentane	ND	5.00	mg/kg wet							
Benzene	ND	0.20	mg/kg wet							
C5-C8 Aliphatics1,2	ND	10.0	mg/kg wet							
C5-C8 Unadjusted Aliphatics	ND	10.0	mg/kg wet							
C9-C10 Aromatics	ND	10.0	mg/kg wet							
C9-C12 Aliphatics2,3	ND	10.0	mg/kg wet							
C9-C12 Unadjusted Aliphatics	ND	10.0	mg/kg wet							
Ethylbenzene	ND	0.20	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.05	mg/kg wet							
Naphthalene	ND	0.20	mg/kg wet							
n-Butylcyclohexane	ND	5.00	mg/kg wet							
n-Decane	ND	5.00	mg/kg wet							
Nonane (C9)	ND	5.00	mg/kg wet							
Pentane	ND	5.00	mg/kg wet							



CERTIFICATE OF ANALYSIS

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711067

**Quality Control Data**

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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MADEP-VPH Volatile Petroleum Hydrocarbon

**Batch CK70319 - 5035**

Toluene	ND	0.20	mg/kg wet							
Xylene O	ND	0.20	mg/kg wet							
Xylene P,M	ND	0.40	mg/kg wet							
<i>Surrogate: 2,5-Dibromotoluene - FID</i>	<i>5.31</i>		mg/kg wet	<i>5.000</i>		<i>106</i>	<i>70-130</i>			
<i>Surrogate: 2,5-Dibromotoluene - PID</i>	<i>5.16</i>		mg/kg wet	<i>5.000</i>		<i>103</i>	<i>70-130</i>			
<i>Surrogate: Trifluorotoluene - FID</i>	<i>5.45</i>		mg/kg wet	<i>5.333</i>		<i>102</i>	<i>70-130</i>			
<i>Surrogate: Trifluorotoluene - PID</i>	<i>5.44</i>		mg/kg wet	<i>5.333</i>		<i>102</i>	<i>70-130</i>			

**LCS**

1,2,4-Trimethylbenzene	9.01	0.20	mg/kg wet	10.00		90	70-130			
2,2,4-Trimethylpentane	15.1	5.00	mg/kg wet	15.00		101	70-130			
2-Methylpentane	14.8	5.00	mg/kg wet	15.00		99	70-130			
Benzene	4.90	0.20	mg/kg wet	5.000		98	70-130			
C5-C8 Aliphatics1,2	ND	10.0	mg/kg wet							
C5-C8 Unadjusted Aliphatics	40.9	10.0	mg/kg wet	40.00		102	70-130			
C9-C10 Aromatics	8.89	10.0	mg/kg wet	10.00		89	70-130			
C9-C12 Aliphatics2,3	ND	10.0	mg/kg wet							
C9-C12 Unadjusted Aliphatics	25.6	10.0	mg/kg wet	30.00		85	70-130			
Ethylbenzene	4.84	0.20	mg/kg wet	5.000		97	70-130			
Methyl tert-Butyl Ether	15.4	0.05	mg/kg wet	15.00		103	70-130			
Naphthalene	9.00	0.20	mg/kg wet	10.00		90	70-130			
n-Butylcyclohexane	8.77	5.00	mg/kg wet	10.00		88	70-130			
n-Decane	9.66	5.00	mg/kg wet	10.00		97	70-130			
Nonane (C9)	8.42	5.00	mg/kg wet	10.00		84	30-130			
Pentane	10.1	5.00	mg/kg wet	10.00		101	70-130			
Toluene	14.1	0.20	mg/kg wet	15.00		94	70-130			
Xylene O	9.27	0.20	mg/kg wet	10.00		93	70-130			
Xylene P,M	18.7	0.40	mg/kg wet	20.00		94	70-130			
<i>Surrogate: 2,5-Dibromotoluene - FID</i>	<i>5.63</i>		mg/kg wet	<i>5.000</i>		<i>113</i>	<i>70-130</i>			
<i>Surrogate: 2,5-Dibromotoluene - PID</i>	<i>5.50</i>		mg/kg wet	<i>5.000</i>		<i>110</i>	<i>70-130</i>			
<i>Surrogate: Trifluorotoluene - FID</i>	<i>5.48</i>		mg/kg wet	<i>5.333</i>		<i>103</i>	<i>70-130</i>			
<i>Surrogate: Trifluorotoluene - PID</i>	<i>5.48</i>		mg/kg wet	<i>5.333</i>		<i>103</i>	<i>70-130</i>			

**LCS Dup**

1,2,4-Trimethylbenzene	8.92	0.20	mg/kg wet	10.00		89	70-130	1	25	
2,2,4-Trimethylpentane	15.6	5.00	mg/kg wet	15.00		104	70-130	3	25	
2-Methylpentane	15.2	5.00	mg/kg wet	15.00		102	70-130	3	25	
Benzene	4.99	0.20	mg/kg wet	5.000		100	70-130	2	25	
C5-C8 Aliphatics1,2	ND	10.0	mg/kg wet							
C5-C8 Unadjusted Aliphatics	42.0	10.0	mg/kg wet	40.00		105	70-130	3	25	
C9-C10 Aromatics	8.80	10.0	mg/kg wet	10.00		88	70-130	1	25	
C9-C12 Aliphatics2,3	ND	10.0	mg/kg wet							
C9-C12 Unadjusted Aliphatics	25.2	10.0	mg/kg wet	30.00		84	70-130	2	25	
Ethylbenzene	4.83	0.20	mg/kg wet	5.000		97	70-130	0.4	25	
Methyl tert-Butyl Ether	16.1	0.05	mg/kg wet	15.00		107	70-130	4	25	
Naphthalene	8.78	0.20	mg/kg wet	10.00		88	70-130	3	25	



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711067

**Quality Control Data**

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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**MADEP-VPH Volatile Petroleum Hydrocarbon**

**Batch CK70319 - 5035**

n-Butylcyclohexane	8.71	5.00	mg/kg wet	10.00		87	70-130	0.7	25	
n-Decane	9.42	5.00	mg/kg wet	10.00		94	70-130	2	25	
Nonane (C9)	8.37	5.00	mg/kg wet	10.00		84	30-130	0.5	25	
Pentane	10.2	5.00	mg/kg wet	10.00		102	70-130	1	25	
Toluene	14.1	0.20	mg/kg wet	15.00		94	70-130	0.3	25	
Xylene O	9.15	0.20	mg/kg wet	10.00		91	70-130	1	25	
Xylene P,M	18.4	0.40	mg/kg wet	20.00		92	70-130	1	25	
<i>Surrogate: 2,5-Dibromotoluene - FID</i>	<i>5.62</i>		<i>mg/kg wet</i>	<i>5.000</i>		<i>112</i>	<i>70-130</i>			
<i>Surrogate: 2,5-Dibromotoluene - PID</i>	<i>5.46</i>		<i>mg/kg wet</i>	<i>5.000</i>		<i>109</i>	<i>70-130</i>			
<i>Surrogate: Trifluorotoluene - FID</i>	<i>5.55</i>		<i>mg/kg wet</i>	<i>5.333</i>		<i>104</i>	<i>70-130</i>			
<i>Surrogate: Trifluorotoluene - PID</i>	<i>5.56</i>		<i>mg/kg wet</i>	<i>5.333</i>		<i>104</i>	<i>70-130</i>			



*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711067

**Notes and Definitions**

- Z-04 MeOH - covered
- U Analyte included in the analysis, but not detected
- D Diluted.
- CD+ Continuing Calibration %Diff/Drift is above control limit (CD+).
- CD- Continuing Calibration %Diff/Drift is below control limit (CD-).
- ND Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- MDL Method Detection Limit
- MRL Method Reporting Limit
- LOD Limit of Detection
- LOQ Limit of Quantitation
- DL Detection Limit
- I/V Initial Volume
- F/V Final Volume
- § Subcontracted analysis; see attached report
- 1 Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
- 2 Range result excludes concentrations of target analytes eluting in that range.
- 3 Range result excludes the concentration of the C9-C10 aromatic range.
- Avg Results reported as a mathematical average.
- NR No Recovery
- [CALC] Calculated Analyte
- SUB Subcontracted analysis; see attached report
- RL Reporting Limit
- EDL Estimated Detection Limit





*CERTIFICATE OF ANALYSIS*

Client Name: Weston & Sampson Engineers, Inc.  
Client Project ID: Conway Park

ESS Laboratory Work Order: 1711067

**ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS**

**ENVIRONMENTAL**

Rhode Island Potable and Non Potable Water: LAI00179

<http://www.health.ri.gov/find/labs/analytical/ESS.pdf>

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750

[http://www.ct.gov/dph/lib/dph/environmental\\_health/environmental\\_laboratories/pdf/OutofStateCommercialLaboratories.pdf](http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf)

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002

<http://www.maine.gov/dhhs/meecd/environmental-health/dwp/partners/labCert.shtml>

Massachusetts Potable and Non Potable Water: M-RI002

<http://public.dep.state.ma.us/Labcert/Labcert.aspx>

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424

<http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm>

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313

<http://www.wadsworth.org/labcert/elap/comm.html>

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006

[http://datamine2.state.nj.us/DEP\\_OPRA/OpraMain/pi\\_main?mode=pi\\_by\\_site&sort\\_order=PI\\_NAMEA&Select+a+Site:=58715](http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715)

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752

<http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx>

## ESS Laboratory Sample and Cooler Receipt Checklist

Client: Weston & Sampson Engineers, Inc - TB/MM

ESS Project ID: 1711067

Date Received: 11/2/2017

Shipped/Delivered Via: ESS Courier

Project Due Date: 11/9/2017

Days for Project: 5 Day

- |  |   |
|--|---|
| <p>1. Air bill manifest present? <input type="checkbox"/> No<br/>Air No.: <u>NA</u></p> <p>2. Were custody seals present? <input type="checkbox"/> No</p> <p>3. Is radiation count &lt;100 CPM? <input type="checkbox"/> Yes</p> <p>4. Is a Cooler Present? <input type="checkbox"/> Yes<br/>Temp: <u>3.5</u> Iced with: <u>Ice</u></p> <p>5. Was COC signed and dated by client? <input type="checkbox"/> Yes</p> | <p>6. Does COC match bottles? <input type="checkbox"/> No</p> <p>7. Is COC complete and correct? <input type="checkbox"/> Yes</p> <p>8. Were samples received intact? <input type="checkbox"/> Yes</p> <p>9. Were labs informed about <u>short holds &amp; rushes</u>? Yes / No / <input checked="" type="checkbox"/> NA</p> <p>10. Were any analyses received outside of hold time? <input checked="" type="checkbox"/> Yes / <input checked="" type="checkbox"/> No <u>low levels</u></p> |
|--|---|

- |  |   |
|--|---|
| <p>11. Any Subcontracting needed? Yes / <input checked="" type="checkbox"/> No<br/>ESS Sample IDs: _____<br/>Analysis: _____<br/>TAT: _____</p> <p>13. Are the samples properly preserved? <input checked="" type="checkbox"/> Yes / No<br/>a. If metals preserved upon receipt: Date: _____<br/>b. Low Level VOA vials frozen: Date: <u>11/2/17</u></p> | <p>12. Were VOAs received? <input checked="" type="checkbox"/> Yes / No<br/>a. Air bubbles in aqueous VOAs? <input checked="" type="checkbox"/> Yes / No<br/>b. Does methanol cover soil completely? <input checked="" type="checkbox"/> Yes / No / NA</p> <p>Time: _____ By: _____<br/>Time: <u>2305</u> By: <u>EL</u></p> |
|--|---|

Sample Receiving Notes:

**P-1(6-8) collected @1530 listed on COC twice, Rec'd=1 sample set**

No indication low levels frozen at 11/2/17

14. Was there a need to contact Project Manager?  Yes / No  
a. Was there a need to contact the client?  Yes / No  
Who was contacted? \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ By: \_\_\_\_\_

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
01	178357	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
01	178358	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
01	178381	Yes	NA	Yes	VOA Vial - Other	Other	
01	178382	Yes	NA	Yes	VOA Vial - Other	Other	
01	178394	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
01	178656	Yes	NA	Yes	2 oz. Jar - Unpres	NP	
02	178355	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
02	178356	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
02	178379	Yes	NA	Yes	VOA Vial - Other	Other	
02	178380	Yes	NA	Yes	VOA Vial - Other	Other	
02	178393	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
02	178655	Yes	NA	Yes	2 oz. Jar - Unpres	NP	
03	178353	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
03	178354	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
03	178377	Yes	NA	Yes	VOA Vial - Other	Other	
03	178378	Yes	NA	Yes	VOA Vial - Other	Other	
03	178392	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
03	178654	Yes	NA	Yes	2 oz. Jar - Unpres	NP	
04	178351	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
04	178352	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
04	178375	Yes	NA	Yes	VOA Vial - Other	Other	
04	178376	Yes	NA	Yes	VOA Vial - Other	Other	
04	178391	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
04	178653	Yes	NA	Yes	2 oz. Jar - Unpres	NP	

## ESS Laboratory Sample and Cooler Receipt Checklist

Client: Weston & Sampson Engineers, Inc - TB/MM

ESS Project ID: 1711067

Date Received: 11/2/2017

05	178349	Yes	NA	Yes	VOA Vial - Methanol	MeOH
05	178350	Yes	NA	Yes	VOA Vial - Methanol	MeOH
05	178373	Yes	NA	Yes	VOA Vial - Other	Other
05	178374	Yes	NA	Yes	VOA Vial - Other	Other
05	178390	Yes	NA	Yes	8 oz. Jar - Unpres	NP
05	178652	Yes	NA	Yes	2 oz. Jar - Unpres	NP
06	178347	Yes	NA	Yes	VOA Vial - Methanol	MeOH
06	178348	Yes	NA	Yes	VOA Vial - Methanol	MeOH
06	178371	Yes	NA	Yes	VOA Vial - Other	Other
06	178372	Yes	NA	Yes	VOA Vial - Other	Other
06	178389	Yes	NA	Yes	8 oz. Jar - Unpres	NP
06	178651	Yes	NA	Yes	2 oz. Jar - Unpres	NP
07	178345	Yes	NA	Yes	VOA Vial - Methanol	MeOH
07	178346	Yes	NA	Yes	VOA Vial - Methanol	MeOH
07	178369	Yes	NA	Yes	VOA Vial - Other	Other
07	178370	Yes	NA	Yes	VOA Vial - Other	Other
07	178388	Yes	NA	Yes	8 oz. Jar - Unpres	NP
07	178650	Yes	NA	Yes	2 oz. Jar - Unpres	NP
08	178343	Yes	NA	Yes	VOA Vial - Methanol	MeOH
08	178344	Yes	NA	Yes	VOA Vial - Methanol	MeOH
08	178367	Yes	NA	Yes	VOA Vial - Other	Other
08	178368	Yes	NA	Yes	VOA Vial - Other	Other
08	178387	Yes	NA	Yes	8 oz. Jar - Unpres	NP
08	178649	Yes	NA	Yes	2 oz. Jar - Unpres	NP
09	178341	Yes	NA	Yes	VOA Vial - Methanol	MeOH
09	178342	Yes	NA	Yes	VOA Vial - Methanol	MeOH
09	178365	Yes	NA	Yes	VOA Vial - Other	Other
09	178366	Yes	NA	Yes	VOA Vial - Other	Other
09	178386	Yes	NA	Yes	8 oz. Jar - Unpres	NP
09	178648	Yes	NA	Yes	2 oz. Jar - Unpres	NP

2nd Review

Are barcode labels on correct containers?

Yes / No

Completed By: \_\_\_\_\_

Date & Time: \_\_\_\_\_

Reviewed By: \_\_\_\_\_

Date & Time: \_\_\_\_\_

Delivered By: \_\_\_\_\_

Date & Time: \_\_\_\_\_

11/2/17 2250  
 11/2/17 2305  
 11/2/17 2305

ESS Laboratory

Division of Thielsch Engineering, Inc.  
 185 Frances Avenue, Cranston RI 02910  
 Tel. (401) 461-7181 Fax (401) 461-4486  
 www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 1711067

Turn Time 5-Day Rush  
 Regulatory State MA  
 Is this project for any of the following?:  
 OCT RCP  MA MCP  RGP

Reporting Limits  
 Electronic  Limit Checker  Standard Excel  
 Deliverables  Other (Please Specify →)

Company Name Worban + Sampson Project # 2170709 Project Name Conway Falls  
 Contact Person Joe Spencer Address 5 Centennial Drive  
 City Peabody State MA Zip Code \_\_\_\_\_ PO # \_\_\_\_\_  
 Telephone Number 1800 Sampson FAX Number \_\_\_\_\_ Email Address Spencer@WSETNC.COM

Analysis	MCP Metals	VPH w/pests	EPH w/pests	VOCs																

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID
1	10/31	15:30	Grab	Soil	P-1 (6-8)
2	"	13:00	"	"	P-6 (0-2)
3	"	12:45	"	"	P-5 (3-5)
<del>4</del>	"	15:30	"	"	<del>P-1 (6-8)</del>
5	"	15:15	"	"	P-1 (0-2)
6	"	14:30	"	"	P-2 (0-2)
7	"	11:00	"	"	P-8 (3-5)
8	"	14:45	"	"	P-2 (13-15)
9	"	13:15	"	"	P-6 (8-10)
10	"	11:30	"	"	P-7 (0-2)

Container Type: AC-Air Cassette AG-Amber Glass B-BOD Bottle C-Cubitainer G-Glass O-Other P-Poly S-Sterile V-Vial  
 Container Volume: 1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other\*  
 Preservation Code: 1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAoc, NaOH 9-NH4Cl 10-DI H2O 11-Other\*  
 Number of Containers per Sample: \_\_\_\_\_

duplicate entry mkm 11/3/17

Laboratory Use Only  
 Cooler Present: yes  
 Seals Intact: Y/A  
 Cooler Temperature: °C ice temp: 3.5

Sampled by: \_\_\_\_\_  
 Comments: Please specify "Other" preservative and containers types in this space

Relinquished by: (Signature, Date & Time) <u>[Signature]</u> 7:45 11/2	Received By: (Signature, Date & Time) <u>[Signature]</u> 11/2/17	Relinquished By: (Signature, Date & Time) <u>[Signature]</u> 11/2/17	Received By: (Signature, Date & Time) <u>[Signature]</u> 11/2/17
Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)

