

September 18, 2017

Malcolm Beeler
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: 510 Grand Ave., New Haven, CT
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17H1359

Enclosed are results of analyses for samples received by the laboratory on August 24, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "James Georgantas", with a long horizontal flourish extending to the right.

James M. Georgantas
Project Manager

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

Weston & Sampson
 273 Dividend Road
 Rocky Hill, CT 06067
 ATTN: Malcolm Beeler

REPORT DATE: 9/18/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H1359

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

PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC-12E-AS-41	17H1359-01	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-39	17H1359-02	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-37	17H1359-03	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-35	17H1359-04	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-25	17H1359-05	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-24	17H1359-06	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-21	17H1359-07	Product/Solid		SW-846 8082A	
WS-AOC-12E-CO-5	17H1359-08	Product/Solid		SW-846 8082A	
WS-AOC-12E-CO-17	17H1359-09	Product/Solid		SW-846 8082A	
WS-AOC-6-CO-1	17H1359-10	Product/Solid		SW-846 8082A	
WS-AOC-6-CO-2	17H1359-11	Product/Solid		SW-846 8082A	
WS-AOC-6-CO-3	17H1359-12	Product/Solid		SW-846 8082A	
WS-AOC-6-CO-4	17H1359-13	Product/Solid		SW-846 8082A	
WS-AOC-12E-CO-DUP-18	17H1359-14	Product/Solid		SW-846 8082A	
WS-AOC-14-SE-43	17H1359-15	Soil		SM 2540G SW-846 8082A	
WS-AOC-14-SE-44	17H1359-16	Soil		SM 2540G SW-846 8082A	
WS-AOC-14-SE-45	17H1359-17	Soil		SM 2540G SW-846 8082A	
WS-AOC-14-SE-46	17H1359-18	Soil		SM 2540G SW-846 8082A	
WS-AOC-14-SE-47	17H1359-19	Soil		SM 2540G SW-846 8082A	
WS-AOC-14-SE-48	17H1359-20	Soil		SM 2540G SW-846 8082A	
EB-50	17H1359-21	Equipment Blank Water		SW-846 8082A	
EB-51	17H1359-22	Equipment Blank Water		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-28**

Initial continuing calibration standard was within method criteria. Closing continuing calibration standard was outside of method criteria, biased on the low side. Reanalysis yielded similar non-conformance, matrix interference was confirmed.

Analyte & Samples(s) Qualified:

17H1359-01[WS-AOC-12E-AS-41], 17H1359-02[WS-AOC-12E-AS-39], 17H1359-03[WS-AOC-12E-AS-37], 17H1359-05[WS-AOC-12E-AS-25], 17H1359-06[WS-AOC-12E-AS-24], 17H1359-07[WS-AOC-12E-AS-21]

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:**Aroclor-1016**

17H1359-21[EB-50], 17H1359-22[EB-51], B185250-BLK1, B185250-BS1, B185250-BSD1

Aroclor-1016 [2C]

17H1359-21[EB-50], 17H1359-22[EB-51], B185250-BLK1, B185250-BS1, B185250-BSD1

Aroclor-1260

17H1359-21[EB-50], 17H1359-22[EB-51], B185250-BLK1, B185250-BS1, B185250-BSD1

Aroclor-1260 [2C]

17H1359-21[EB-50], 17H1359-22[EB-51], B185250-BLK1, B185250-BS1, B185250-BSD1

V-05

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:**Aroclor-1260**

B185083-BLK1, B185083-BS1, B185083-BSD1

Aroclor-1260 [2C]

B185083-BLK1, B185083-BS1, B185083-BSD1

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: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-12E-AS-41

Sampled: 8/24/2017 10:00

Sample ID: 17H1359-01

Sample Matrix: Product/Solid

Sample Flags: O-28

Polychlorinated 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	8/29/17	9/7/17 20:38	KAL
Aroclor-1221 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 20:38	KAL
Aroclor-1232 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 20:38	KAL
Aroclor-1242 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 20:38	KAL
Aroclor-1248 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 20:38	KAL
Aroclor-1254 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 20:38	KAL
Aroclor-1260 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 20:38	KAL
Aroclor-1262 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 20:38	KAL
Aroclor-1268 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 20:38	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		75.2	30-150					9/7/17 20:38	
Decachlorobiphenyl [2]		88.1	30-150					9/7/17 20:38	
Tetrachloro-m-xylene [1]		88.3	30-150					9/7/17 20:38	
Tetrachloro-m-xylene [2]		86.1	30-150					9/7/17 20:38	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-12E-AS-39

Sampled: 8/24/2017 10:10

Sample ID: 17H1359-02

Sample Matrix: Product/Solid

Sample Flags: O-28

Polychlorinated 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	8/29/17	9/7/17 20:55	KAL
Aroclor-1221 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 20:55	KAL
Aroclor-1232 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 20:55	KAL
Aroclor-1242 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 20:55	KAL
Aroclor-1248 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 20:55	KAL
Aroclor-1254 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 20:55	KAL
Aroclor-1260 [1]	0.13	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 20:55	KAL
Aroclor-1262 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 20:55	KAL
Aroclor-1268 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 20:55	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	72.7		30-150				9/7/17 20:55		
Decachlorobiphenyl [2]	84.6		30-150				9/7/17 20:55		
Tetrachloro-m-xylene [1]	87.1		30-150				9/7/17 20:55		
Tetrachloro-m-xylene [2]	83.3		30-150				9/7/17 20:55		

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-12E-AS-37

Sampled: 8/24/2017 10:20

Sample ID: 17H1359-03

Sample Matrix: Product/Solid

Sample Flags: O-28

Polychlorinated 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	8/29/17	9/7/17 21:13	KAL
Aroclor-1221 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 21:13	KAL
Aroclor-1232 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 21:13	KAL
Aroclor-1242 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 21:13	KAL
Aroclor-1248 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 21:13	KAL
Aroclor-1254 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 21:13	KAL
Aroclor-1260 [1]	0.098	0.078	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 21:13	KAL
Aroclor-1262 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 21:13	KAL
Aroclor-1268 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 21:13	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	93.1		30-150				9/7/17 21:13		
Decachlorobiphenyl [2]	109		30-150				9/7/17 21:13		
Tetrachloro-m-xylene [1]	111		30-150				9/7/17 21:13		
Tetrachloro-m-xylene [2]	105		30-150				9/7/17 21:13		

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-12E-AS-35

Sampled: 8/24/2017 10:30

Sample ID: 17H1359-04

Sample Matrix: Product/Solid

Polychlorinated 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	8/30/17	9/5/17 19:47	KAL
Aroclor-1221 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/30/17	9/5/17 19:47	KAL
Aroclor-1232 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/30/17	9/5/17 19:47	KAL
Aroclor-1242 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/30/17	9/5/17 19:47	KAL
Aroclor-1248 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/30/17	9/5/17 19:47	KAL
Aroclor-1254 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/30/17	9/5/17 19:47	KAL
Aroclor-1260 [2]	0.14	0.080	mg/Kg wet	4		SW-846 8082A	8/30/17	9/5/17 19:47	KAL
Aroclor-1262 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/30/17	9/5/17 19:47	KAL
Aroclor-1268 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/30/17	9/5/17 19:47	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		75.2	30-150					9/5/17 19:47	
Decachlorobiphenyl [2]		93.8	30-150					9/5/17 19:47	
Tetrachloro-m-xylene [1]		76.3	30-150					9/5/17 19:47	
Tetrachloro-m-xylene [2]		91.4	30-150					9/5/17 19:47	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-12E-AS-25

Sampled: 8/24/2017 10:40

Sample ID: 17H1359-05

Sample Matrix: Product/Solid

Sample Flags: O-28

Polychlorinated 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	8/29/17	9/7/17 21:48	KAL
Aroclor-1221 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 21:48	KAL
Aroclor-1232 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 21:48	KAL
Aroclor-1242 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 21:48	KAL
Aroclor-1248 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 21:48	KAL
Aroclor-1254 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 21:48	KAL
Aroclor-1260 [1]	0.10	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 21:48	KAL
Aroclor-1262 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 21:48	KAL
Aroclor-1268 [2]	0.087	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 21:48	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	74.8		30-150				9/7/17 21:48		
Decachlorobiphenyl [2]	85.8		30-150				9/7/17 21:48		
Tetrachloro-m-xylene [1]	103		30-150				9/7/17 21:48		
Tetrachloro-m-xylene [2]	99.7		30-150				9/7/17 21:48		

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-12E-AS-24

Sampled: 8/24/2017 10:50

Sample ID: 17H1359-06

Sample Matrix: Product/Solid

Sample Flags: O-28

Polychlorinated 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	8/29/17	9/7/17 22:05	KAL
Aroclor-1221 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 22:05	KAL
Aroclor-1232 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 22:05	KAL
Aroclor-1242 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 22:05	KAL
Aroclor-1248 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 22:05	KAL
Aroclor-1254 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 22:05	KAL
Aroclor-1260 [1]	0.14	0.078	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 22:05	KAL
Aroclor-1262 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 22:05	KAL
Aroclor-1268 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 22:05	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		66.2	30-150					9/7/17 22:05	
Decachlorobiphenyl [2]		74.2	30-150					9/7/17 22:05	
Tetrachloro-m-xylene [1]		94.3	30-150					9/7/17 22:05	
Tetrachloro-m-xylene [2]		87.9	30-150					9/7/17 22:05	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-12E-AS-21

Sampled: 8/24/2017 11:00

Sample ID: 17H1359-07

Sample Matrix: Product/Solid

Sample Flags: O-28

Polychlorinated 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	8/29/17	9/7/17 22:23	KAL
Aroclor-1221 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 22:23	KAL
Aroclor-1232 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 22:23	KAL
Aroclor-1242 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 22:23	KAL
Aroclor-1248 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 22:23	KAL
Aroclor-1254 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 22:23	KAL
Aroclor-1260 [1]	0.16	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 22:23	KAL
Aroclor-1262 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 22:23	KAL
Aroclor-1268 [2]	0.20	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 22:23	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		66.4	30-150					9/7/17 22:23	
Decachlorobiphenyl [2]		73.8	30-150					9/7/17 22:23	
Tetrachloro-m-xylene [1]		92.0	30-150					9/7/17 22:23	
Tetrachloro-m-xylene [2]		87.7	30-150					9/7/17 22:23	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-12E-CO-5

Sampled: 8/24/2017 11:10

Sample ID: 17H1359-08

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.074	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:20	JMB
Aroclor-1221 [1]	ND	0.074	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:20	JMB
Aroclor-1232 [1]	ND	0.074	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:20	JMB
Aroclor-1242 [1]	ND	0.074	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:20	JMB
Aroclor-1248 [1]	ND	0.074	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:20	JMB
Aroclor-1254 [1]	ND	0.074	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:20	JMB
Aroclor-1260 [1]	ND	0.074	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:20	JMB
Aroclor-1262 [1]	ND	0.074	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:20	JMB
Aroclor-1268 [2]	0.47	0.074	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:20	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		118	30-150					9/5/17 16:20	
Decachlorobiphenyl [2]		99.6	30-150					9/5/17 16:20	
Tetrachloro-m-xylene [1]		112	30-150					9/5/17 16:20	
Tetrachloro-m-xylene [2]		75.4	30-150					9/5/17 16:20	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-12E-CO-17

Sampled: 8/24/2017 11:20

Sample ID: 17H1359-09

Sample Matrix: Product/Solid

Polychlorinated 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	1		SW-846 8082A	8/29/17	9/5/17 16:37	JMB
Aroclor-1221 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:37	JMB
Aroclor-1232 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:37	JMB
Aroclor-1242 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:37	JMB
Aroclor-1248 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:37	JMB
Aroclor-1254 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:37	JMB
Aroclor-1260 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:37	JMB
Aroclor-1262 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:37	JMB
Aroclor-1268 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:37	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		90.3	30-150					9/5/17 16:37	
Decachlorobiphenyl [2]		82.4	30-150					9/5/17 16:37	
Tetrachloro-m-xylene [1]		99.7	30-150					9/5/17 16:37	
Tetrachloro-m-xylene [2]		72.5	30-150					9/5/17 16:37	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-6-CO-1

Sampled: 8/24/2017 11:30

Sample ID: 17H1359-10

Sample Matrix: Product/Solid

Polychlorinated 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	8/29/17	9/5/17 16:55	JMB
Aroclor-1221 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:55	JMB
Aroclor-1232 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:55	JMB
Aroclor-1242 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:55	JMB
Aroclor-1248 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:55	JMB
Aroclor-1254 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:55	JMB
Aroclor-1260 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:55	JMB
Aroclor-1262 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:55	JMB
Aroclor-1268 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:55	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		87.8	30-150					9/5/17 16:55	
Decachlorobiphenyl [2]		84.2	30-150					9/5/17 16:55	
Tetrachloro-m-xylene [1]		95.7	30-150					9/5/17 16:55	
Tetrachloro-m-xylene [2]		71.4	30-150					9/5/17 16:55	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-6-CO-2

Sampled: 8/24/2017 11:40

Sample ID: 17H1359-11

Sample Matrix: Product/Solid

Polychlorinated 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	1		SW-846 8082A	8/29/17	9/5/17 17:12	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:12	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:12	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:12	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:12	JMB
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:12	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:12	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:12	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:12	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		69.8	30-150					9/5/17 17:12	
Decachlorobiphenyl [2]		72.6	30-150					9/5/17 17:12	
Tetrachloro-m-xylene [1]		73.0	30-150					9/5/17 17:12	
Tetrachloro-m-xylene [2]		64.5	30-150					9/5/17 17:12	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-6-CO-3

Sampled: 8/24/2017 11:50

Sample ID: 17H1359-12

Sample Matrix: Product/Solid

Polychlorinated 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	1		SW-846 8082A	8/29/17	9/5/17 17:30	JMB
Aroclor-1221 [1]	ND	0.078	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:30	JMB
Aroclor-1232 [1]	ND	0.078	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:30	JMB
Aroclor-1242 [1]	ND	0.078	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:30	JMB
Aroclor-1248 [1]	ND	0.078	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:30	JMB
Aroclor-1254 [1]	ND	0.078	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:30	JMB
Aroclor-1260 [1]	ND	0.078	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:30	JMB
Aroclor-1262 [1]	ND	0.078	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:30	JMB
Aroclor-1268 [1]	ND	0.078	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:30	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		63.9	30-150					9/5/17 17:30	
Decachlorobiphenyl [2]		68.7	30-150					9/5/17 17:30	
Tetrachloro-m-xylene [1]		68.0	30-150					9/5/17 17:30	
Tetrachloro-m-xylene [2]		63.5	30-150					9/5/17 17:30	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-6-CO-4

Sampled: 8/24/2017 12:00

Sample ID: 17H1359-13

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.072	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:47	JMB
Aroclor-1221 [1]	ND	0.072	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:47	JMB
Aroclor-1232 [1]	ND	0.072	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:47	JMB
Aroclor-1242 [1]	ND	0.072	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:47	JMB
Aroclor-1248 [1]	ND	0.072	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:47	JMB
Aroclor-1254 [1]	ND	0.072	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:47	JMB
Aroclor-1260 [1]	ND	0.072	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:47	JMB
Aroclor-1262 [1]	ND	0.072	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:47	JMB
Aroclor-1268 [1]	ND	0.072	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:47	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		77.6	30-150					9/5/17 17:47	
Decachlorobiphenyl [2]		77.0	30-150					9/5/17 17:47	
Tetrachloro-m-xylene [1]		83.1	30-150					9/5/17 17:47	
Tetrachloro-m-xylene [2]		69.5	30-150					9/5/17 17:47	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-12E-CO-DUP-18

Sampled: 8/24/2017 00:00

Sample ID: 17H1359-14

Sample Matrix: Product/Solid

Polychlorinated 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	1		SW-846 8082A	8/29/17	9/5/17 18:05	JMB
Aroclor-1221 [1]	ND	0.082	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 18:05	JMB
Aroclor-1232 [1]	ND	0.082	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 18:05	JMB
Aroclor-1242 [1]	ND	0.082	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 18:05	JMB
Aroclor-1248 [1]	ND	0.082	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 18:05	JMB
Aroclor-1254 [1]	ND	0.082	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 18:05	JMB
Aroclor-1260 [1]	ND	0.082	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 18:05	JMB
Aroclor-1262 [1]	ND	0.082	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 18:05	JMB
Aroclor-1268 [2]	0.40	0.082	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 18:05	JMB
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	92.9		30-150				9/5/17 18:05		
Decachlorobiphenyl [2]	84.6		30-150				9/5/17 18:05		
Tetrachloro-m-xylene [1]	93.8		30-150				9/5/17 18:05		
Tetrachloro-m-xylene [2]	67.0		30-150				9/5/17 18:05		

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-14-SE-43

Sampled: 8/24/2017 13:00

Sample ID: 17H1359-15

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	0.29	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 7:46	PJG
Aroclor-1221 [1]	ND	0.29	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 7:46	PJG
Aroclor-1232 [1]	ND	0.29	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 7:46	PJG
Aroclor-1242 [1]	ND	0.29	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 7:46	PJG
Aroclor-1248 [1]	0.36	0.29	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 7:46	PJG
Aroclor-1254 [2]	0.37	0.29	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 7:46	PJG
Aroclor-1260 [2]	0.31	0.29	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 7:46	PJG
Aroclor-1262 [1]	ND	0.29	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 7:46	PJG
Aroclor-1268 [1]	ND	0.29	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 7:46	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		82.2	30-150					9/9/17 7:46	
Decachlorobiphenyl [2]		100	30-150					9/9/17 7:46	
Tetrachloro-m-xylene [1]		92.7	30-150					9/9/17 7:46	
Tetrachloro-m-xylene [2]		96.1	30-150					9/9/17 7:46	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-14-SE-43

Sampled: 8/24/2017 13:00

Sample ID: 17H1359-15

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	27.7		% Wt	1		SM 2540G	8/30/17	8/31/17 8:44	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-14-SE-44

Sampled: 8/24/2017 13:10

Sample ID: 17H1359-16

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	0.18	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:04	PJG
Aroclor-1221 [1]	ND	0.18	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:04	PJG
Aroclor-1232 [1]	ND	0.18	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:04	PJG
Aroclor-1242 [1]	ND	0.18	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:04	PJG
Aroclor-1248 [1]	0.55	0.18	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:04	PJG
Aroclor-1254 [2]	0.72	0.18	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:04	PJG
Aroclor-1260 [2]	0.40	0.18	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:04	PJG
Aroclor-1262 [1]	ND	0.18	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:04	PJG
Aroclor-1268 [1]	ND	0.18	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:04	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		88.6	30-150					9/9/17 8:04	
Decachlorobiphenyl [2]		110	30-150					9/9/17 8:04	
Tetrachloro-m-xylene [1]		100	30-150					9/9/17 8:04	
Tetrachloro-m-xylene [2]		104	30-150					9/9/17 8:04	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-14-SE-44

Sampled: 8/24/2017 13:10

Sample ID: 17H1359-16

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	43.9		% Wt	1		SM 2540G	8/30/17	8/31/17 8:44	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-14-SE-45

Sampled: 8/24/2017 13:20

Sample ID: 17H1359-17

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	1.3	mg/Kg dry	20		SW-846 8082A	8/29/17	9/9/17 8:22	PJG
Aroclor-1221 [1]	ND	1.3	mg/Kg dry	20		SW-846 8082A	8/29/17	9/9/17 8:22	PJG
Aroclor-1232 [1]	ND	1.3	mg/Kg dry	20		SW-846 8082A	8/29/17	9/9/17 8:22	PJG
Aroclor-1242 [1]	ND	1.3	mg/Kg dry	20		SW-846 8082A	8/29/17	9/9/17 8:22	PJG
Aroclor-1248 [1]	4.6	1.3	mg/Kg dry	20		SW-846 8082A	8/29/17	9/9/17 8:22	PJG
Aroclor-1254 [2]	4.0	1.3	mg/Kg dry	20		SW-846 8082A	8/29/17	9/9/17 8:22	PJG
Aroclor-1260 [2]	1.3	1.3	mg/Kg dry	20		SW-846 8082A	8/29/17	9/9/17 8:22	PJG
Aroclor-1262 [1]	ND	1.3	mg/Kg dry	20		SW-846 8082A	8/29/17	9/9/17 8:22	PJG
Aroclor-1268 [1]	ND	1.3	mg/Kg dry	20		SW-846 8082A	8/29/17	9/9/17 8:22	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		93.7	30-150					9/9/17 8:22	
Decachlorobiphenyl [2]		104	30-150					9/9/17 8:22	
Tetrachloro-m-xylene [1]		111	30-150					9/9/17 8:22	
Tetrachloro-m-xylene [2]		98.7	30-150					9/9/17 8:22	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-14-SE-45

Sampled: 8/24/2017 13:20

Sample ID: 17H1359-17

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	31.5		% Wt	1		SM 2540G	8/30/17	8/31/17 8:44	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-14-SE-46

Sampled: 8/24/2017 13:30

Sample ID: 17H1359-18

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	0.19	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:40	PJG
Aroclor-1221 [1]	ND	0.19	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:40	PJG
Aroclor-1232 [1]	ND	0.19	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:40	PJG
Aroclor-1242 [1]	ND	0.19	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:40	PJG
Aroclor-1248 [2]	0.81	0.19	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:40	PJG
Aroclor-1254 [2]	0.90	0.19	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:40	PJG
Aroclor-1260 [2]	0.45	0.19	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:40	PJG
Aroclor-1262 [1]	ND	0.19	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:40	PJG
Aroclor-1268 [1]	ND	0.19	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:40	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		88.6	30-150					9/9/17 8:40	
Decachlorobiphenyl [2]		109	30-150					9/9/17 8:40	
Tetrachloro-m-xylene [1]		86.4	30-150					9/9/17 8:40	
Tetrachloro-m-xylene [2]		98.4	30-150					9/9/17 8:40	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-14-SE-46

Sampled: 8/24/2017 13:30

Sample ID: 17H1359-18

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	41.6		% Wt	1		SM 2540G	8/30/17	8/31/17 8:44	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-14-SE-47

Sampled: 8/24/2017 13:40

Sample ID: 17H1359-19

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	0.20	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:58	PJG
Aroclor-1221 [1]	ND	0.20	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:58	PJG
Aroclor-1232 [1]	ND	0.20	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:58	PJG
Aroclor-1242 [1]	ND	0.20	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:58	PJG
Aroclor-1248 [2]	0.97	0.20	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:58	PJG
Aroclor-1254 [2]	1.0	0.20	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:58	PJG
Aroclor-1260 [2]	0.55	0.20	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:58	PJG
Aroclor-1262 [1]	ND	0.20	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:58	PJG
Aroclor-1268 [1]	ND	0.20	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:58	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		79.8	30-150					9/9/17 8:58	
Decachlorobiphenyl [2]		101	30-150					9/9/17 8:58	
Tetrachloro-m-xylene [1]		93.0	30-150					9/9/17 8:58	
Tetrachloro-m-xylene [2]		95.9	30-150					9/9/17 8:58	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-14-SE-47

Sampled: 8/24/2017 13:40

Sample ID: 17H1359-19

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	38.7		% Wt	1		SM 2540G	8/30/17	8/31/17 8:44	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-14-SE-48

Sampled: 8/24/2017 13:50

Sample ID: 17H1359-20

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	0.21	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 9:16	PJG
Aroclor-1221 [1]	ND	0.21	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 9:16	PJG
Aroclor-1232 [1]	ND	0.21	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 9:16	PJG
Aroclor-1242 [1]	ND	0.21	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 9:16	PJG
Aroclor-1248 [1]	ND	0.21	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 9:16	PJG
Aroclor-1254 [1]	ND	0.21	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 9:16	PJG
Aroclor-1260 [2]	0.30	0.21	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 9:16	PJG
Aroclor-1262 [1]	ND	0.21	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 9:16	PJG
Aroclor-1268 [1]	ND	0.21	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 9:16	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		73.9	30-150					9/9/17 9:16	
Decachlorobiphenyl [2]		95.8	30-150					9/9/17 9:16	
Tetrachloro-m-xylene [1]		80.2	30-150					9/9/17 9:16	
Tetrachloro-m-xylene [2]		87.6	30-150					9/9/17 9:16	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-14-SE-48

Sampled: 8/24/2017 13:50

Sample ID: 17H1359-20

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	37.5		% Wt	1		SM 2540G	8/30/17	8/31/17 8:44	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: EB-50

Sampled: 8/24/2017 08:00

Sample ID: 17H1359-21

Sample Matrix: Equipment Blank Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1	R-05	SW-846 8082A	8/30/17	9/1/17 14:19	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/30/17	9/1/17 14:19	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/30/17	9/1/17 14:19	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/30/17	9/1/17 14:19	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/30/17	9/1/17 14:19	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/30/17	9/1/17 14:19	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1	R-05	SW-846 8082A	8/30/17	9/1/17 14:19	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/30/17	9/1/17 14:19	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/30/17	9/1/17 14:19	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		61.0	30-150					9/1/17 14:19	
Decachlorobiphenyl [2]		54.0	30-150					9/1/17 14:19	
Tetrachloro-m-xylene [1]		70.7	30-150					9/1/17 14:19	
Tetrachloro-m-xylene [2]		70.8	30-150					9/1/17 14:19	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: EB-51

Sampled: 8/24/2017 10:00

Sample ID: 17H1359-22

Sample Matrix: Equipment Blank Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1	R-05	SW-846 8082A	8/30/17	9/1/17 14:32	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/30/17	9/1/17 14:32	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/30/17	9/1/17 14:32	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/30/17	9/1/17 14:32	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/30/17	9/1/17 14:32	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/30/17	9/1/17 14:32	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1	R-05	SW-846 8082A	8/30/17	9/1/17 14:32	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/30/17	9/1/17 14:32	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/30/17	9/1/17 14:32	TG
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	70.6		30-150				9/1/17 14:32		
Decachlorobiphenyl [2]	61.9		30-150				9/1/17 14:32		
Tetrachloro-m-xylene [1]	95.0		30-150				9/1/17 14:32		
Tetrachloro-m-xylene [2]	90.2		30-150				9/1/17 14:32		

Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17H1359-15 [WS-AOC-14-SE-43]	B185198	08/30/17
17H1359-16 [WS-AOC-14-SE-44]	B185198	08/30/17
17H1359-17 [WS-AOC-14-SE-45]	B185198	08/30/17
17H1359-18 [WS-AOC-14-SE-46]	B185198	08/30/17
17H1359-19 [WS-AOC-14-SE-47]	B185198	08/30/17
17H1359-20 [WS-AOC-14-SE-48]	B185198	08/30/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1359-08 [WS-AOC-12E-CO-5]	B185080	2.69	10.0	08/29/17
17H1359-09 [WS-AOC-12E-CO-17]	B185080	2.30	10.0	08/29/17
17H1359-10 [WS-AOC-6-CO-1]	B185080	2.39	10.0	08/29/17
17H1359-11 [WS-AOC-6-CO-2]	B185080	2.06	10.0	08/29/17
17H1359-12 [WS-AOC-6-CO-3]	B185080	2.56	10.0	08/29/17
17H1359-13 [WS-AOC-6-CO-4]	B185080	2.77	10.0	08/29/17
17H1359-14 [WS-AOC-12E-CO-DUP-18]	B185080	2.45	10.0	08/29/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1359-01 [WS-AOC-12E-AS-41]	B185083	10.0	10.0	08/29/17
17H1359-02 [WS-AOC-12E-AS-39]	B185083	10.0	10.0	08/29/17
17H1359-03 [WS-AOC-12E-AS-37]	B185083	10.2	10.0	08/29/17
17H1359-05 [WS-AOC-12E-AS-25]	B185083	10.0	10.0	08/29/17
17H1359-06 [WS-AOC-12E-AS-24]	B185083	10.2	10.0	08/29/17
17H1359-07 [WS-AOC-12E-AS-21]	B185083	10.0	10.0	08/29/17
17H1359-15 [WS-AOC-14-SE-43]	B185083	10.1	10.0	08/29/17
17H1359-16 [WS-AOC-14-SE-44]	B185083	10.0	10.0	08/29/17
17H1359-17 [WS-AOC-14-SE-45]	B185083	10.0	10.0	08/29/17
17H1359-18 [WS-AOC-14-SE-46]	B185083	10.0	10.0	08/29/17
17H1359-19 [WS-AOC-14-SE-47]	B185083	10.1	10.0	08/29/17
17H1359-20 [WS-AOC-14-SE-48]	B185083	10.1	10.0	08/29/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1359-04RE1 [WS-AOC-12E-AS-35]	B185232	10.0	10.0	08/30/17

Prep Method: SW-846 3510C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1359-21 [EB-50]	B185250	1000	10.0	08/30/17
17H1359-22 [EB-51]	B185250	1000	10.0	08/30/17

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

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
Batch B185250 - SW-846 3510C										
Blank (B185250-BLK1)										
Prepared: 08/30/17 Analyzed: 09/01/17										
Aroclor-1016	ND	0.20	µg/L							R-05
Aroclor-1016 [2C]	ND	0.20	µg/L							R-05
Aroclor-1221	ND	0.20	µg/L							
Aroclor-1221 [2C]	ND	0.20	µg/L							
Aroclor-1232	ND	0.20	µg/L							
Aroclor-1232 [2C]	ND	0.20	µg/L							
Aroclor-1242	ND	0.20	µg/L							
Aroclor-1242 [2C]	ND	0.20	µg/L							
Aroclor-1248	ND	0.20	µg/L							
Aroclor-1248 [2C]	ND	0.20	µg/L							
Aroclor-1254	ND	0.20	µg/L							
Aroclor-1254 [2C]	ND	0.20	µg/L							
Aroclor-1260	ND	0.20	µg/L							R-05
Aroclor-1260 [2C]	ND	0.20	µg/L							R-05
Aroclor-1262	ND	0.20	µg/L							
Aroclor-1262 [2C]	ND	0.20	µg/L							
Aroclor-1268	ND	0.20	µg/L							
Aroclor-1268 [2C]	ND	0.20	µg/L							
Surrogate: Decachlorobiphenyl	2.03		µg/L	2.00		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.76		µg/L	2.00		88.0	30-150			
Surrogate: Tetrachloro-m-xylene	1.66		µg/L	2.00		83.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.61		µg/L	2.00		80.4	30-150			
LCS (B185250-BS1)										
Prepared: 08/30/17 Analyzed: 09/01/17										
Aroclor-1016	0.46	0.20	µg/L	0.500		92.6	40-140			R-05
Aroclor-1016 [2C]	0.48	0.20	µg/L	0.500		96.6	40-140			R-05
Aroclor-1260	0.45	0.20	µg/L	0.500		90.2	40-140			R-05
Aroclor-1260 [2C]	0.43	0.20	µg/L	0.500		86.3	40-140			R-05
Surrogate: Decachlorobiphenyl	2.12		µg/L	2.00		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.84		µg/L	2.00		91.8	30-150			
Surrogate: Tetrachloro-m-xylene	1.71		µg/L	2.00		85.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.65		µg/L	2.00		82.7	30-150			
LCS Dup (B185250-BSD1)										
Prepared: 08/30/17 Analyzed: 09/01/17										
Aroclor-1016	0.36	0.20	µg/L	0.500		71.7	40-140	25.5	* 20	R-05
Aroclor-1016 [2C]	0.38	0.20	µg/L	0.500		76.3	40-140	23.5	* 20	R-05
Aroclor-1260	0.34	0.20	µg/L	0.500		68.6	40-140	27.2	* 20	R-05
Aroclor-1260 [2C]	0.34	0.20	µg/L	0.500		67.3	40-140	24.8	* 20	R-05
Surrogate: Decachlorobiphenyl	1.50		µg/L	2.00		74.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.32		µg/L	2.00		66.0	30-150			
Surrogate: Tetrachloro-m-xylene	1.31		µg/L	2.00		65.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.30		µg/L	2.00		65.1	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 B185080 - SW-846 3540C

Blank (B185080-BLK1)

Prepared: 08/29/17 Analyzed: 09/05/17

Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	1.06		mg/Kg	1.00		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.957		mg/Kg	1.00		95.7	30-150			
Surrogate: Tetrachloro-m-xylene	1.06		mg/Kg	1.00		106	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.807		mg/Kg	1.00		80.7	30-150			

LCS (B185080-BS1)

Prepared: 08/29/17 Analyzed: 09/05/17

Aroclor-1016	0.84	0.10	mg/Kg	1.00		83.8	40-140			
Aroclor-1016 [2C]	0.80	0.10	mg/Kg	1.00		79.7	40-140			
Aroclor-1260	0.77	0.10	mg/Kg	1.00		77.0	40-140			
Aroclor-1260 [2C]	0.78	0.10	mg/Kg	1.00		78.3	40-140			
Surrogate: Decachlorobiphenyl	0.872		mg/Kg	1.00		87.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.818		mg/Kg	1.00		81.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.880		mg/Kg	1.00		88.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.697		mg/Kg	1.00		69.7	30-150			

LCS Dup (B185080-BSD1)

Prepared: 08/29/17 Analyzed: 09/05/17

Aroclor-1016	0.91	0.10	mg/Kg	1.00		90.6	40-140	7.81	30	
Aroclor-1016 [2C]	0.86	0.10	mg/Kg	1.00		86.1	40-140	7.71	30	
Aroclor-1260	0.85	0.10	mg/Kg	1.00		85.4	40-140	10.3	30	
Aroclor-1260 [2C]	0.87	0.10	mg/Kg	1.00		87.3	40-140	10.9	30	
Surrogate: Decachlorobiphenyl	0.990		mg/Kg	1.00		99.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.932		mg/Kg	1.00		93.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.972		mg/Kg	1.00		97.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.710		mg/Kg	1.00		71.0	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 B185080 - SW-846 3540C

Matrix Spike (B185080-MS1)

Source: 17H1359-12

Prepared: 08/29/17 Analyzed: 09/05/17

Aroclor-1016	0.79	0.091	mg/Kg	0.909	ND	86.9	40-140			
Aroclor-1016 [2C]	0.66	0.091	mg/Kg	0.909	ND	72.8	40-140			
Aroclor-1260	0.61	0.091	mg/Kg	0.909	ND	67.5	40-140			
Aroclor-1260 [2C]	0.58	0.091	mg/Kg	0.909	ND	63.8	40-140			
Surrogate: Decachlorobiphenyl	0.802		mg/Kg	0.909		88.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.868		mg/Kg	0.909		95.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.843		mg/Kg	0.909		92.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.663		mg/Kg	0.909		72.9	30-150			

Matrix Spike Dup (B185080-MSD1)

Source: 17H1359-12

Prepared: 08/29/17 Analyzed: 09/05/17

Aroclor-1016	0.76	0.089	mg/Kg	0.889	ND	85.1	40-140	4.37	50	
Aroclor-1016 [2C]	0.68	0.089	mg/Kg	0.889	ND	76.3	40-140	2.36	50	
Aroclor-1260	0.64	0.089	mg/Kg	0.889	ND	71.4	40-140	3.44	50	
Aroclor-1260 [2C]	0.62	0.089	mg/Kg	0.889	ND	70.3	40-140	7.49	50	
Surrogate: Decachlorobiphenyl	0.765		mg/Kg	0.889		86.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.712		mg/Kg	0.889		80.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.838		mg/Kg	0.889		94.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.628		mg/Kg	0.889		70.6	30-150			

Batch B185083 - SW-846 3540C

Blank (B185083-BLK1)

Prepared: 08/29/17 Analyzed: 09/07/17

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							V-05
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							V-05
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	0.133		mg/Kg wet	0.200		66.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.142		mg/Kg wet	0.200		70.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.147		mg/Kg wet	0.200		73.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.147		mg/Kg wet	0.200		73.3	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
Batch B185083 - SW-846 3540C										
LCS (B185083-BS1)										
Prepared: 08/29/17 Analyzed: 09/07/17										
Aroclor-1016	0.13	0.020	mg/Kg wet	0.200		66.8	40-140			
Aroclor-1016 [2C]	0.14	0.020	mg/Kg wet	0.200		69.6	40-140			
Aroclor-1260	0.12	0.020	mg/Kg wet	0.200		58.1	40-140			V-05
Aroclor-1260 [2C]	0.12	0.020	mg/Kg wet	0.200		62.4	40-140			V-05
Surrogate: Decachlorobiphenyl	0.125		mg/Kg wet	0.200		62.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.137		mg/Kg wet	0.200		68.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.136		mg/Kg wet	0.200		68.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.141		mg/Kg wet	0.200		70.7	30-150			
LCS Dup (B185083-BSD1)										
Prepared: 08/29/17 Analyzed: 09/07/17										
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		78.6	40-140	16.2	30	
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		84.1	40-140	18.9	30	
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		73.3	40-140	23.1	30	V-05
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		76.5	40-140	20.3	30	V-05
Surrogate: Decachlorobiphenyl	0.158		mg/Kg wet	0.200		79.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.155		mg/Kg wet	0.200		77.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.113		mg/Kg wet	0.200		56.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.154		mg/Kg wet	0.200		77.0	30-150			
Batch B185232 - SW-846 3540C										
Blank (B185232-BLK1)										
Prepared: 08/30/17 Analyzed: 09/05/17										
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	0.199		mg/Kg wet	0.200		99.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.203		mg/Kg wet	0.200		101	30-150			
Surrogate: Tetrachloro-m-xylene	0.183		mg/Kg wet	0.200		91.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.201		mg/Kg wet	0.200		100	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 B185232 - SW-846 3540C

LCS (B185232-BS1)

Prepared: 08/30/17 Analyzed: 09/05/17

Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		97.3	40-140			
Aroclor-1016 [2C]	0.22	0.020	mg/Kg wet	0.200		111	40-140			
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		89.3	40-140			
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.200		91.6	40-140			
Surrogate: Decachlorobiphenyl	0.206		mg/Kg wet	0.200		103	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		95.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.211		mg/Kg wet	0.200		105	30-150			

LCS Dup (B185232-BSD1)

Prepared: 08/30/17 Analyzed: 09/05/17

Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		94.7	40-140	2.75	30	
Aroclor-1016 [2C]	0.22	0.020	mg/Kg wet	0.200		108	40-140	2.73	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		86.4	40-140	3.31	30	
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.200		92.0	40-140	0.372	30	
Surrogate: Decachlorobiphenyl	0.201		mg/Kg wet	0.200		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.207		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene	0.185		mg/Kg wet	0.200		92.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.202		mg/Kg wet	0.200		101	30-150			

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

WS-AOC-12E-AS-39

SW-846 8082A

Lab Sample ID: 17H1359-02 Date(s) Analyzed 09/07/2017 09/07/2017

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	0.13	
	2	0.000	-0.030	0.030	0.13	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

WS-AOC-12E-AS-35

SW-846 8082A

Lab Sample ID: 17H1359-04RE1 Date(s) Analyzed 09/05/2017 09/05/2017

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	0.11	
	2	0.000	-0.030	0.030	0.14	24.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

WS-AOC-12E-AS-25

SW-846 8082A

Lab Sample ID: 17H1359-05 Date(s) Analyzed 09/07/2017 09/07/2017

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	0.10	
	2	0.000	-0.030	0.030	0.091	9.4
Aroclor-1268	1	0.000	-0.030	0.030	0.085	
	2	0.000	-0.030	0.030	0.087	2.3

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

WS-AOC-12E-AS-24

SW-846 8082A

Lab Sample ID: 17H1359-06 Date(s) Analyzed 09/07/2017 09/07/2017

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	0.14	
	2	0.000	-0.030	0.030	0.12	15.4

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

WS-AOC-12E-AS-21

Lab Sample ID: 17H1359-07 Date(s) Analyzed 09/07/2017 09/07/2017

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	0.16	
	2	0.000	-0.030	0.030	0.14	13.3
Aroclor-1268	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**

WS-AOC-12E-CO-5

SW-846 8082A

Lab Sample ID: 17H1359-08 Date(s) Analyzed 09/05/2017 09/05/2017

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-1268	1	0.000	0.000	0.000	0.46	
	2	0.000	0.000	0.000	0.47	2.2

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

WS-AOC-12E-CO-DUP-18

SW-846 8082A

Lab Sample ID: 17H1359-14 Date(s) Analyzed 09/05/2017 09/05/2017

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-1268	1	0.000	0.000	0.000	0.39	
	2	0.000	0.000	0.000	0.40	2.5

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

WS-AOC-14-SE-43

SW-846 8082A

Lab Sample ID: 17H1359-15 Date(s) Analyzed 09/09/2017 09/09/2017

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	0.32	
	2	0.000	-0.030	0.030	0.37	14.5

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

WS-AOC-14-SE-44

Lab Sample ID: 17H1359-16 Date(s) Analyzed 09/09/2017 09/09/2017

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-1248	1	0.000	-0.030	0.030	0.55	
	2	0.000	-0.030	0.030	0.51	7.6
Aroclor-1254	1	0.000	-0.030	0.030	0.61	
	2	0.000	-0.030	0.030	0.72	16.5
Aroclor-1260	1	0.000	-0.030	0.030	0.32	
	2	0.000	-0.030	0.030	0.40	22.2

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

WS-AOC-14-SE-45

Lab Sample ID: 17H1359-17 Date(s) Analyzed 09/09/2017 09/09/2017

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-1248	1	0.000	-0.030	0.030	4.6	
	2	0.000	-0.030	0.030	4.3	6.7
Aroclor-1254	1	0.000	-0.030	0.030	3.6	
	2	0.000	-0.030	0.030	4.0	10.5

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

WS-AOC-14-SE-46

SW-846 8082A

Lab Sample ID: 17H1359-18 Date(s) Analyzed 09/09/2017 09/09/2017

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-1248	1	0.000	-0.030	0.030	0.80	
	2	0.000	-0.030	0.030	0.81	1.2
Aroclor-1254	1	0.000	-0.030	0.030	0.70	
	2	0.000	-0.030	0.030	0.90	25.0
Aroclor-1260	1	0.000	-0.030	0.030	0.35	
	2	0.000	-0.030	0.030	0.45	25.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

WS-AOC-14-SE-47

SW-846 8082A

Lab Sample ID: 17H1359-19 Date(s) Analyzed 09/09/2017 09/09/2017

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-1248	1	0.000	-0.030	0.030	0.96	
	2	0.000	-0.030	0.030	0.97	1.0
Aroclor-1254	1	0.000	-0.030	0.030	0.78	
	2	0.000	-0.030	0.030	1.0	24.7
Aroclor-1260	1	0.000	-0.030	0.030	0.50	
	2	0.000	-0.030	0.030	0.55	9.5

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

WS-AOC-14-SE-48

SW-846 8082A

Lab Sample ID: 17H1359-20 Date(s) Analyzed 09/09/2017 09/09/2017

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	0.27	
	2	0.000	-0.030	0.030	0.30	10.5

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

SW-846 8082A

Lab Sample ID: B185080-BS1 Date(s) Analyzed 09/05/2017 09/05/2017

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	0.000	0.000	0.84	
	2	0.000	0.000	0.000	0.80	4.9
Aroclor-1260	1	0.000	0.000	0.000	0.77	
	2	0.000	0.000	0.000	0.78	1.3

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

Matrix Spike

SW-846 8082A

Lab Sample ID: B185080-MS1 Date(s) Analyzed 09/05/2017 09/05/2017

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	0.000	0.000	0.79	
	2	0.000	0.000	0.000	0.66	17.9
Aroclor-1260	1	0.000	0.000	0.000	0.61	
	2	0.000	0.000	0.000	0.58	5.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

Matrix Spike Dup

SW-846 8082A

Lab Sample ID: B185080-MSD1 Date(s) Analyzed 09/05/2017 09/05/2017

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	0.000	0.000	0.76	
	2	0.000	0.000	0.000	0.68	11.1
Aroclor-1260	1	0.000	0.000	0.000	0.64	
	2	0.000	0.000	0.000	0.62	3.2

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

SW-846 8082A

Lab Sample ID: B185083-BS1 Date(s) Analyzed 09/07/2017 09/07/2017

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	0.13	
	2	0.000	-0.030	0.030	0.14	7.4
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**
SW-846 8082A

LCS Dup

Lab Sample ID: B185083-BSD1 Date(s) Analyzed 09/07/2017 09/07/2017

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	0.16	
	2	0.000	-0.030	0.030	0.17	6.1
Aroclor-1260	1	0.000	-0.030	0.030	0.15	
	2	0.000	-0.030	0.030	0.15	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

SW-846 8082A

Lab Sample ID: B185232-BS1 Date(s) Analyzed 09/05/2017 09/05/2017

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	0.22	9.5
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

SW-846 8082A

Lab Sample ID: B185250-BS1 Date(s) Analyzed 09/01/2017 09/01/2017

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	0.000	0.000	0.46	
	2	0.000	0.000	0.000	0.48	4.3
Aroclor-1260	1	0.000	0.000	0.000	0.45	
	2	0.000	0.000	0.000	0.43	4.6

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

LCS Dup

Lab Sample ID: B185250-BSD1 Date(s) Analyzed 09/01/2017 09/01/2017

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	0.000	0.000	0.36	
	2	0.000	0.000	0.000	0.38	5.4
Aroclor-1260	1	0.000	0.000	0.000	0.34	
	2	0.000	0.000	0.000	0.34	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
DL	Method Detection Limit
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-28	Initial continuing calibration standard was within method criteria. Closing continuing calibration standard was outside of method criteria, biased on the low side. Reanalysis yielded similar non-conformance, matrix interference was confirmed.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Product/Solid</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
<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
<i>SW-846 8082A in Water</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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Water</i>	
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	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
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	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
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: Weston & Sampson Engineers Address: 273 Dividend Rd Rocky Hill, CT Phone: 860 513-1473 Project Name: English Station Project Location: 510 Grand Ave, New Haven, CT Project Number: 2170495 Project Manager: Malcolm Beeler Con-Test Bid: Malcolm Beeler Invoice Recipient: Malcolm Beeler (Weston & Sampson) Sampled By: Chris Beeler / Will Sirotnak		Requested Turnaround Time: 7-Day <input checked="" type="checkbox"/> 10-Day <input type="checkbox"/> Other: <input type="checkbox"/> 5-day <input type="checkbox"/> 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 checked="" type="checkbox"/> EXCEL <input checked="" type="checkbox"/> Other: <input type="checkbox"/> Enhanced Data Package Required: <input type="checkbox"/> Email To: beelerm@wseinc.com Fax To #:					
Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1	WS-ADL-12E-AS-41	8/24/17	1000	X	O	U	
2	WS-ADL-12E-AS-39		1010				
3	WS-ADL-12E-AS-37		1020				
4	WS-ADL-12E-AS-35		1030				
5	WS-ADL-12E-AS-25		1040				
6	WS-ADL-12E-AS-24		1050				
7	WS-ADL-12E-AS-21		1100				
8	WS-ADL-12E-60-5		1110				
9	WS-ADL-12E-CO-17		1130				
10	WS-ADL-6-CO-1		1130				

Comments: Please hold excess volumes for possible SPLP 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

Program Information	
<input type="checkbox"/> MCP Analytical Certification Form Required	<input type="checkbox"/> MA State DW Form Required
<input checked="" type="checkbox"/> RCP Analysis Certification Form Required	PWSID # _____
<input type="checkbox"/> NELAC and AIHA-LAP, LLC Accredited	

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

17H 1359

Phone: 413-525-2332
Fax: 413-525-6405

Email: info@contestlabs.com
Weston & Sampson

Company Name: Weston & Sampson
Address: 273 Dividend Rd, Rocky Hill, CT

Phone: 860-513-1473

Project Name: English Station

Project Location: 510 Grand Ave, New Haven, CT

Project Number: 2170495

Project Manager: Malcolm Beeler

Con-Test Quote Name/Number: Malcolm Beeler (Weston & Sampson)

Invoice Recipient: Malcolm Beeler (Weston & Sampson)

Sampled By: William Sirotnak

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: beelerm@wse.com

Fax To #:

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
11	WS-ADL-6-60-2	8/24/17	1140		X	D	U
12	WS-ADL-6-60-3		1150				
13	WS-ADL-6-60-4		1200				
14	WS-ADL-DE-60-DUR-18						
15	WS-ADL-14-SE-43		1300	X		S	U
16	WS-ADL-14-SE-44		1310				
17	WS-ADL-14-SE-45		1320				
18	WS-ADL-14-SE-46		1330				
19	WS-ADL-14-SE-47		1340				
20	WS-ADL-14-SE-48		1350				

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

Please hold excess volumes for possible SPLP analyses.

Relinquished by: (signature)	Date/Time	Detection Limit Requirements	Special Requirements
<i>[Signature]</i>	8/24/17 1500	MA	MA MCP Required
<i>[Signature]</i>	8/24/17 1500		MCP Certification Form Required
<i>[Signature]</i>	8/24/17 1555	CT	CT RCP Required
<i>[Signature]</i>	8/24/17 3:46	Other	RCP Certification Form Required
<i>[Signature]</i>	8/24/17 6:25		MA State DW Required
<i>[Signature]</i>	8/24/17 1825		PWSID #



NEHAL and AIHA-LAP, LLC Accredited

Project Entity: Government Municipality MWRA WRTA Other Chromatogram AIHA-LAP, LLC

Federal 21 J School MBTA

City Brownfield Non Soxhlet

of Containers

2 Preservation Code

3 Container Code

Dissolved Metal 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)
POIUS Medic
- 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

39 Spruce St.
 East Longmeadow, MA. 01028
 P: 413-525-2332
 F: 413-525-6405
 www.contestlabs.com



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 JM Date 8/24/17 Time 1825
 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 # 1 Actual Temp - 5.1
 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 Who was notified? _____
 Are there Rushes? N/A Who was notified? _____
 Are there Short Holds? N/A Who was notified? _____
 Is there enough Volume? T
 Is there Headspace where applicable? N/A MS/MSD? T
 Proper Media/Containers Used? T Is splitting samples required? N/A
 Were trip blanks received? N/A On COC? N/A
 Do all samples have the proper pH? N/A Acid _____ Base _____

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.	<u>4</u>	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:



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: 510 Grand Ave., New Haven, CT

Project Number: 17H1359

Laboratory Sample ID(s):

Sample Date(s):

17H1359-01 thru 17H1359-22

08/24/2017

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 checked="" type="checkbox"/> Yes <input 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 checked="" type="checkbox"/> Yes <input 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."

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:

Position: Project Manager

Printed Name: Lisa A. Worthington

Date: 09/12/17

Name of Laboratory: Con-Test Analytical Laboratory

This certification form is to be used for RCP methods only.

September 14, 2017

Malcolm Beeler
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: 510 Grand Ave., New Haven, CT
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17H1621

Enclosed are results of analyses for samples received by the laboratory on August 30, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "James Georgantas". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

James M. Georgantas
Project Manager

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

Weston & Sampson
 273 Dividend Road
 Rocky Hill, CT 06067
 ATTN: Malcolm Beeler

REPORT DATE: 9/14/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H1621

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

PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC14-CO-43	17H1621-01	Product/Solid		SW-846 8082A	
WS-AOC14-CO-44	17H1621-02	Product/Solid		SW-846 8082A	
WS-AOC14-CO-45	17H1621-03	Product/Solid		SW-846 8082A	
WS-AOC14-CO-46	17H1621-04	Product/Solid		SW-846 8082A	
WS-AOC14-CO-47	17H1621-05	Product/Solid		SW-846 8082A	
WS-AOC14-CO-48	17H1621-06	Product/Solid		SW-846 8082A	
WS-AOC14-WO-49	17H1621-07	Product/Solid		SW-846 8082A	
WS-AOC14-CO-50	17H1621-08	Product/Solid		SW-846 8082A	
WS-AOC14-CO-51	17H1621-09	Product/Solid		SW-846 8082A	
WS-AOC14-CO-52	17H1621-10	Product/Solid		SW-846 8082A	
WS-AOC14-CO-53	17H1621-11	Product/Solid		SW-846 8082A	
WS-AOC14-CO-54	17H1621-12	Product/Solid		SW-846 8082A	
WS-AOC14-CO-55	17H1621-13	Product/Solid		SW-846 8082A	
WS-AOC14-CO-56	17H1621-14	Product/Solid		SW-846 8082A	
WS-AOC14-SE-51	17H1621-15	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC14-SE-52	17H1621-16	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC14-SE-53	17H1621-17	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC14-SE-54	17H1621-18	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
				SW-846 8270D	
WS-AOC14-SE-55	17H1621-19	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC14-SE-56	17H1621-20	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC14-CO-Dup19	17H1621-21	Product/Solid		SW-846 8082A	
WS-AOC9-OIL-91	17H1621-22	Oil		EPA 600 4-81-045	
Equipment Blank-56	17H1621-23	Equipment Blank Water		SW-846 8082A	
Equipment Blank-57	17H1621-24	Equipment Blank Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8270D	

CASE NARRATIVE SUMMARY

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

For method 8270, only PAHs were requested and reported.

CTDEP ETPH**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:**o-Terphenyl**

17H1621-18[WS-AOC14-SE-54]

SW-846 8082A**Qualifications:****DL-03**

Elevated reporting limit due to matrix.

Analyte & Samples(s) Qualified:

17H1621-10[WS-AOC14-CO-52], 17H1621-12[WS-AOC14-CO-54], 17H1621-13[WS-AOC14-CO-55], 17H1621-14[WS-AOC14-CO-56]

V-06

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:**Aroclor-1260**

B185572-BS1, B185572-BSD1

Aroclor-1260 [2C]

B185572-BS1, B185572-BSD1

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:**Aroclor-1260**

17H1621-23[Equipment Blank-56], 17H1621-24[Equipment Blank-57]

SW-846 8270D**Qualifications:****RL-12**

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

17H1621-18[WS-AOC14-SE-54]

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: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-CO-43

Sampled: 8/30/2017 09:00

Sample ID: 17H1621-01

Sample Matrix: Product/Solid

Polychlorinated 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	1		SW-846 8082A	9/6/17	9/12/17 19:04	TG
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:04	TG
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:04	TG
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:04	TG
Aroclor-1248 [2]	0.11	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:04	TG
Aroclor-1254 [2]	0.14	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:04	TG
Aroclor-1260 [2]	0.23	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:04	TG
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:04	TG
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:04	TG
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	82.0		30-150				9/12/17 19:04		
Decachlorobiphenyl [2]	78.6		30-150				9/12/17 19:04		
Tetrachloro-m-xylene [1]	85.9		30-150				9/12/17 19:04		
Tetrachloro-m-xylene [2]	87.7		30-150				9/12/17 19:04		

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-CO-44

Sampled: 8/30/2017 09:10

Sample ID: 17H1621-02

Sample Matrix: Product/Solid

Polychlorinated 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	1		SW-846 8082A	9/6/17	9/12/17 19:22	TG
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:22	TG
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:22	TG
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:22	TG
Aroclor-1248 [2]	0.16	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:22	TG
Aroclor-1254 [2]	0.18	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:22	TG
Aroclor-1260 [2]	0.20	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:22	TG
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:22	TG
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:22	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		81.6	30-150					9/12/17 19:22	
Decachlorobiphenyl [2]		83.7	30-150					9/12/17 19:22	
Tetrachloro-m-xylene [1]		83.9	30-150					9/12/17 19:22	
Tetrachloro-m-xylene [2]		88.4	30-150					9/12/17 19:22	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-CO-45

Sampled: 8/30/2017 09:20

Sample ID: 17H1621-03

Sample Matrix: Product/Solid

Polychlorinated 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	1		SW-846 8082A	9/6/17	9/12/17 19:40	TG
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:40	TG
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:40	TG
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:40	TG
Aroclor-1248 [2]	0.11	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:40	TG
Aroclor-1254 [2]	0.12	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:40	TG
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:40	TG
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:40	TG
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:40	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		82.6	30-150					9/12/17 19:40	
Decachlorobiphenyl [2]		79.9	30-150					9/12/17 19:40	
Tetrachloro-m-xylene [1]		90.3	30-150					9/12/17 19:40	
Tetrachloro-m-xylene [2]		89.2	30-150					9/12/17 19:40	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-CO-46

Sampled: 8/30/2017 09:30

Sample ID: 17H1621-04

Sample Matrix: Product/Solid

Polychlorinated 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	9/6/17	9/12/17 19:57	TG
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:57	TG
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:57	TG
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:57	TG
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:57	TG
Aroclor-1254 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:57	TG
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:57	TG
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:57	TG
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:57	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		86.1	30-150					9/12/17 19:57	
Decachlorobiphenyl [2]		82.8	30-150					9/12/17 19:57	
Tetrachloro-m-xylene [1]		89.8	30-150					9/12/17 19:57	
Tetrachloro-m-xylene [2]		90.0	30-150					9/12/17 19:57	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-CO-47

Sampled: 8/30/2017 09:40

Sample ID: 17H1621-05

Sample Matrix: Product/Solid

Polychlorinated 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	1		SW-846 8082A	9/6/17	9/12/17 20:15	TG
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:15	TG
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:15	TG
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:15	TG
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:15	TG
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:15	TG
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:15	TG
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:15	TG
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:15	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.6	30-150					9/12/17 20:15	
Decachlorobiphenyl [2]		79.7	30-150					9/12/17 20:15	
Tetrachloro-m-xylene [1]		84.8	30-150					9/12/17 20:15	
Tetrachloro-m-xylene [2]		87.9	30-150					9/12/17 20:15	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-CO-48

Sampled: 8/30/2017 09:50

Sample ID: 17H1621-06

Sample Matrix: Product/Solid

Polychlorinated 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	1		SW-846 8082A	9/6/17	9/12/17 20:33	TG
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:33	TG
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:33	TG
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:33	TG
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:33	TG
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:33	TG
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:33	TG
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:33	TG
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:33	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		81.7	30-150					9/12/17 20:33	
Decachlorobiphenyl [2]		78.9	30-150					9/12/17 20:33	
Tetrachloro-m-xylene [1]		84.3	30-150					9/12/17 20:33	
Tetrachloro-m-xylene [2]		85.3	30-150					9/12/17 20:33	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-WO-49

Sampled: 8/30/2017 10:00

Sample ID: 17H1621-07

Sample Matrix: Product/Solid

Polychlorinated 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	1		SW-846 8082A	9/6/17	9/12/17 20:51	TG
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:51	TG
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:51	TG
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:51	TG
Aroclor-1248 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:51	TG
Aroclor-1254 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:51	TG
Aroclor-1260 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:51	TG
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:51	TG
Aroclor-1268 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:51	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		91.9	30-150					9/12/17 20:51	
Decachlorobiphenyl [2]		88.1	30-150					9/12/17 20:51	
Tetrachloro-m-xylene [1]		92.0	30-150					9/12/17 20:51	
Tetrachloro-m-xylene [2]		91.9	30-150					9/12/17 20:51	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-CO-50

Sampled: 8/30/2017 10:10

Sample ID: 17H1621-08

Sample Matrix: Product/Solid

Polychlorinated 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	9/6/17	9/12/17 21:56	TG
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 21:56	TG
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 21:56	TG
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 21:56	TG
Aroclor-1248 [2]	0.10	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 21:56	TG
Aroclor-1254 [2]	0.11	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 21:56	TG
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 21:56	TG
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 21:56	TG
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 21:56	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		83.8	30-150					9/12/17 21:56	
Decachlorobiphenyl [2]		80.9	30-150					9/12/17 21:56	
Tetrachloro-m-xylene [1]		70.8	30-150					9/12/17 21:56	
Tetrachloro-m-xylene [2]		73.8	30-150					9/12/17 21:56	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-CO-51

Sampled: 8/30/2017 11:00

Sample ID: 17H1621-09

Sample Matrix: Product/Solid

Polychlorinated 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	1		SW-846 8082A	9/6/17	9/12/17 22:14	TG
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 22:14	TG
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 22:14	TG
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 22:14	TG
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 22:14	TG
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 22:14	TG
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 22:14	TG
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 22:14	TG
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 22:14	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		53.4	30-150					9/12/17 22:14	
Decachlorobiphenyl [2]		52.5	30-150					9/12/17 22:14	
Tetrachloro-m-xylene [1]		55.6	30-150					9/12/17 22:14	
Tetrachloro-m-xylene [2]		57.5	30-150					9/12/17 22:14	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-CO-52

Sampled: 8/30/2017 11:10

Sample ID: 17H1621-10

Sample Matrix: Product/Solid

Sample Flags: DL-03

Polychlorinated 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	10		SW-846 8082A	9/6/17	9/13/17 8:45	TG
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 8:45	TG
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 8:45	TG
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 8:45	TG
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 8:45	TG
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 8:45	TG
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 8:45	TG
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 8:45	TG
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 8:45	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		95.8	30-150					9/13/17 8:45	
Decachlorobiphenyl [2]		101	30-150					9/13/17 8:45	
Tetrachloro-m-xylene [1]		96.7	30-150					9/13/17 8:45	
Tetrachloro-m-xylene [2]		103	30-150					9/13/17 8:45	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-CO-53

Sampled: 8/30/2017 11:20

Sample ID: 17H1621-11

Sample Matrix: Product/Solid

Polychlorinated 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	1		SW-846 8082A	9/6/17	9/12/17 22:49	TG
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 22:49	TG
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 22:49	TG
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 22:49	TG
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 22:49	TG
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 22:49	TG
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 22:49	TG
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 22:49	TG
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 22:49	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		81.9	30-150					9/12/17 22:49	
Decachlorobiphenyl [2]		78.6	30-150					9/12/17 22:49	
Tetrachloro-m-xylene [1]		81.9	30-150					9/12/17 22:49	
Tetrachloro-m-xylene [2]		82.7	30-150					9/12/17 22:49	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-CO-54

Sampled: 8/30/2017 11:30

Sample ID: 17H1621-12

Sample Matrix: Product/Solid

Sample Flags: DL-03

Polychlorinated 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	10		SW-846 8082A	9/6/17	9/13/17 9:02	TG
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:02	TG
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:02	TG
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:02	TG
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:02	TG
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:02	TG
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:02	TG
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:02	TG
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:02	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		96.0	30-150					9/13/17 9:02	
Decachlorobiphenyl [2]		101	30-150					9/13/17 9:02	
Tetrachloro-m-xylene [1]		92.4	30-150					9/13/17 9:02	
Tetrachloro-m-xylene [2]		97.9	30-150					9/13/17 9:02	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-CO-55

Sampled: 8/30/2017 11:40

Sample ID: 17H1621-13

Sample Matrix: Product/Solid

Sample Flags: DL-03

Polychlorinated 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	10		SW-846 8082A	9/6/17	9/13/17 9:20	TG
Aroclor-1221 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:20	TG
Aroclor-1232 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:20	TG
Aroclor-1242 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:20	TG
Aroclor-1248 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:20	TG
Aroclor-1254 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:20	TG
Aroclor-1260 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:20	TG
Aroclor-1262 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:20	TG
Aroclor-1268 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:20	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		88.8	30-150					9/13/17 9:20	
Decachlorobiphenyl [2]		94.2	30-150					9/13/17 9:20	
Tetrachloro-m-xylene [1]		88.4	30-150					9/13/17 9:20	
Tetrachloro-m-xylene [2]		93.0	30-150					9/13/17 9:20	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-CO-56

Sampled: 8/30/2017 11:50

Sample ID: 17H1621-14

Sample Matrix: Product/Solid

Sample Flags: DL-03

Polychlorinated 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	10		SW-846 8082A	9/6/17	9/13/17 9:38	TG
Aroclor-1221 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:38	TG
Aroclor-1232 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:38	TG
Aroclor-1242 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:38	TG
Aroclor-1248 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:38	TG
Aroclor-1254 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:38	TG
Aroclor-1260 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:38	TG
Aroclor-1262 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:38	TG
Aroclor-1268 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:38	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		61.6	30-150					9/13/17 9:38	
Decachlorobiphenyl [2]		66.5	30-150					9/13/17 9:38	
Tetrachloro-m-xylene [1]		60.6	30-150					9/13/17 9:38	
Tetrachloro-m-xylene [2]		65.6	30-150					9/13/17 9:38	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-SE-51

Sampled: 8/30/2017 11:05

Sample ID: 17H1621-15

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	0.18	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:24	TG
Aroclor-1221 [1]	ND	0.18	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:24	TG
Aroclor-1232 [1]	ND	0.18	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:24	TG
Aroclor-1242 [1]	ND	0.18	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:24	TG
Aroclor-1248 [1]	0.59	0.18	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:24	TG
Aroclor-1254 [2]	0.53	0.18	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:24	TG
Aroclor-1260 [2]	0.21	0.18	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:24	TG
Aroclor-1262 [1]	ND	0.18	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:24	TG
Aroclor-1268 [1]	ND	0.18	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:24	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		61.6	30-150					9/10/17 2:24	
Decachlorobiphenyl [2]		66.6	30-150					9/10/17 2:24	
Tetrachloro-m-xylene [1]		74.1	30-150					9/10/17 2:24	
Tetrachloro-m-xylene [2]		76.6	30-150					9/10/17 2:24	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-SE-51

Sampled: 8/30/2017 11:05

Sample ID: 17H1621-15

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	43.3		% Wt	1		SM 2540G	9/1/17	9/5/17 7:29	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-SE-52

Sampled: 8/30/2017 11:15

Sample ID: 17H1621-16

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	0.10	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:37	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:37	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:37	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:37	TG
Aroclor-1248 [2]	0.31	0.10	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:37	TG
Aroclor-1254 [2]	0.34	0.10	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:37	TG
Aroclor-1260 [2]	0.12	0.10	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:37	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:37	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:37	TG
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	71.7		30-150				9/10/17 2:37		
Decachlorobiphenyl [2]	75.9		30-150				9/10/17 2:37		
Tetrachloro-m-xylene [1]	85.1		30-150				9/10/17 2:37		
Tetrachloro-m-xylene [2]	88.0		30-150				9/10/17 2:37		

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-SE-52

Sampled: 8/30/2017 11:15

Sample ID: 17H1621-16

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	76.3		% Wt	1		SM 2540G	9/1/17	9/5/17 7:29	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-SE-53

Sampled: 8/30/2017 11:25

Sample ID: 17H1621-17

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	0.093	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:49	TG
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:49	TG
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:49	TG
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:49	TG
Aroclor-1248 [2]	0.097	0.093	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:49	TG
Aroclor-1254 [2]	0.12	0.093	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:49	TG
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:49	TG
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:49	TG
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:49	TG
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	71.4		30-150				9/10/17 2:49		
Decachlorobiphenyl [2]	74.8		30-150				9/10/17 2:49		
Tetrachloro-m-xylene [1]	80.4		30-150				9/10/17 2:49		
Tetrachloro-m-xylene [2]	84.4		30-150				9/10/17 2:49		

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-SE-53

Sampled: 8/30/2017 11:25

Sample ID: 17H1621-17

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	84.0		% Wt	1		SM 2540G	9/1/17	9/5/17 7:29	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-SE-54

Sampled: 8/30/2017 11:35

Sample ID: 17H1621-18

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatle Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	1.1	mg/Kg dry	2		SW-846 8270D	9/6/17	9/8/17 15:49	BGL
Acenaphthylene	ND	1.1	mg/Kg dry	2		SW-846 8270D	9/6/17	9/8/17 15:49	BGL
Anthracene	ND	1.1	mg/Kg dry	2		SW-846 8270D	9/6/17	9/8/17 15:49	BGL
Benzo(a)anthracene	ND	1.1	mg/Kg dry	2		SW-846 8270D	9/6/17	9/8/17 15:49	BGL
Benzo(a)pyrene	ND	1.1	mg/Kg dry	2		SW-846 8270D	9/6/17	9/8/17 15:49	BGL
Benzo(b)fluoranthene	ND	1.1	mg/Kg dry	2		SW-846 8270D	9/6/17	9/8/17 15:49	BGL
Benzo(g,h,i)perylene	ND	1.1	mg/Kg dry	2		SW-846 8270D	9/6/17	9/8/17 15:49	BGL
Benzo(k)fluoranthene	ND	1.1	mg/Kg dry	2		SW-846 8270D	9/6/17	9/8/17 15:49	BGL
Chrysene	ND	1.1	mg/Kg dry	2		SW-846 8270D	9/6/17	9/8/17 15:49	BGL
Dibenz(a,h)anthracene	ND	1.1	mg/Kg dry	2		SW-846 8270D	9/6/17	9/8/17 15:49	BGL
Fluoranthene	1.7	1.1	mg/Kg dry	2		SW-846 8270D	9/6/17	9/8/17 15:49	BGL
Fluorene	ND	1.1	mg/Kg dry	2		SW-846 8270D	9/6/17	9/8/17 15:49	BGL
Indeno(1,2,3-cd)pyrene	ND	1.1	mg/Kg dry	2		SW-846 8270D	9/6/17	9/8/17 15:49	BGL
2-Methylnaphthalene	ND	1.1	mg/Kg dry	2		SW-846 8270D	9/6/17	9/8/17 15:49	BGL
Naphthalene	ND	1.1	mg/Kg dry	2		SW-846 8270D	9/6/17	9/8/17 15:49	BGL
Phenanthrene	ND	1.1	mg/Kg dry	2		SW-846 8270D	9/6/17	9/8/17 15:49	BGL
Pyrene	1.6	1.1	mg/Kg dry	2		SW-846 8270D	9/6/17	9/8/17 15:49	BGL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Nitrobenzene-d5		62.0	30-130					9/8/17 15:49	
2-Fluorobiphenyl		61.7	30-130					9/8/17 15:49	
p-Terphenyl-d14		72.0	30-130					9/8/17 15:49	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-SE-54

Sampled: 8/30/2017 11:35

Sample ID: 17H1621-18

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	0.12	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 3:02	TG
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 3:02	TG
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 3:02	TG
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 3:02	TG
Aroclor-1248 [1]	0.21	0.12	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 3:02	TG
Aroclor-1254 [2]	0.35	0.12	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 3:02	TG
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 3:02	TG
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 3:02	TG
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 3:02	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		57.4	30-150					9/10/17 3:02	
Decachlorobiphenyl [2]		60.6	30-150					9/10/17 3:02	
Tetrachloro-m-xylene [1]		71.6	30-150					9/10/17 3:02	
Tetrachloro-m-xylene [2]		75.4	30-150					9/10/17 3:02	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-SE-54

Sampled: 8/30/2017 11:35

Sample ID: 17H1621-18

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	1900	320	mg/Kg dry	20		CTDEP ETPH	9/6/17	9/8/17 3:46	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		*	50-150		S-01			9/8/17 3:46	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-SE-54

Sampled: 8/30/2017 11:35

Sample ID: 17H1621-18

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	62.5		% Wt	1		SM 2540G	9/1/17	9/5/17 7:29	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-SE-55

Sampled: 8/30/2017 11:45

Sample ID: 17H1621-19

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	0.52	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 3:15	TG
Aroclor-1221 [1]	ND	0.52	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 3:15	TG
Aroclor-1232 [1]	ND	0.52	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 3:15	TG
Aroclor-1242 [1]	ND	0.52	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 3:15	TG
Aroclor-1248 [1]	2.1	0.52	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 3:15	TG
Aroclor-1254 [2]	1.7	0.52	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 3:15	TG
Aroclor-1260 [2]	0.64	0.52	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 3:15	TG
Aroclor-1262 [1]	ND	0.52	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 3:15	TG
Aroclor-1268 [1]	ND	0.52	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 3:15	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		52.5	30-150					9/10/17 3:15	
Decachlorobiphenyl [2]		61.5	30-150					9/10/17 3:15	
Tetrachloro-m-xylene [1]		66.1	30-150					9/10/17 3:15	
Tetrachloro-m-xylene [2]		71.8	30-150					9/10/17 3:15	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-SE-55

Sampled: 8/30/2017 11:45

Sample ID: 17H1621-19

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	30.8		% Wt	1		SM 2540G	9/1/17	9/5/17 7:29	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-SE-56

Sampled: 8/30/2017 11:55

Sample ID: 17H1621-20

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	0.17	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 3:27	TG
Aroclor-1221 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 3:27	TG
Aroclor-1232 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 3:27	TG
Aroclor-1242 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 3:27	TG
Aroclor-1248 [2]	0.33	0.17	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 3:27	TG
Aroclor-1254 [2]	0.55	0.17	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 3:27	TG
Aroclor-1260 [2]	0.30	0.17	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 3:27	TG
Aroclor-1262 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 3:27	TG
Aroclor-1268 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 3:27	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		63.2	30-150					9/10/17 3:27	
Decachlorobiphenyl [2]		68.9	30-150					9/10/17 3:27	
Tetrachloro-m-xylene [1]		75.1	30-150					9/10/17 3:27	
Tetrachloro-m-xylene [2]		78.8	30-150					9/10/17 3:27	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-SE-56

Sampled: 8/30/2017 11:55

Sample ID: 17H1621-20

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	47.8		% Wt	1		SM 2540G	9/1/17	9/5/17 7:29	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-CO-Dup19

Sampled: 8/30/2017 00:00

Sample ID: 17H1621-21

Sample Matrix: Product/Solid

Polychlorinated 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	9/6/17	9/13/17 0:00	TG
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/13/17 0:00	TG
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/13/17 0:00	TG
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/13/17 0:00	TG
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/13/17 0:00	TG
Aroclor-1254 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/13/17 0:00	TG
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/13/17 0:00	TG
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/13/17 0:00	TG
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/13/17 0:00	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		72.4	30-150					9/13/17 0:00	
Decachlorobiphenyl [2]		69.8	30-150					9/13/17 0:00	
Tetrachloro-m-xylene [1]		66.8	30-150					9/13/17 0:00	
Tetrachloro-m-xylene [2]		66.9	30-150					9/13/17 0:00	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC9-OIL-91

Sampled: 8/30/2017 08:30

Sample ID: 17H1621-22

Sample Matrix: Oil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	1		EPA 600 4-81-045	9/7/17	9/13/17 11:03	TG
Aroclor-1221 [1]	ND	0.99	mg/Kg	1		EPA 600 4-81-045	9/7/17	9/13/17 11:03	TG
Aroclor-1232 [1]	ND	0.99	mg/Kg	1		EPA 600 4-81-045	9/7/17	9/13/17 11:03	TG
Aroclor-1242 [1]	ND	0.99	mg/Kg	1		EPA 600 4-81-045	9/7/17	9/13/17 11:03	TG
Aroclor-1248 [1]	ND	0.99	mg/Kg	1		EPA 600 4-81-045	9/7/17	9/13/17 11:03	TG
Aroclor-1254 [1]	ND	0.99	mg/Kg	1		EPA 600 4-81-045	9/7/17	9/13/17 11:03	TG
Aroclor-1260 [1]	5.0	0.99	mg/Kg	1		EPA 600 4-81-045	9/7/17	9/13/17 11:03	TG
Aroclor-1262 [1]	ND	0.99	mg/Kg	1		EPA 600 4-81-045	9/7/17	9/13/17 11:03	TG
Aroclor-1268 [1]	ND	0.99	mg/Kg	1		EPA 600 4-81-045	9/7/17	9/13/17 11:03	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		105	30-150					9/13/17 11:03	
Decachlorobiphenyl [2]		86.6	30-150					9/13/17 11:03	
Tetrachloro-m-xylene [1]		105	30-150					9/13/17 11:03	
Tetrachloro-m-xylene [2]		101	30-150					9/13/17 11:03	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: Equipment Blank-56

Sampled: 8/30/2017 08:00

Sample ID: 17H1621-23

Sample Matrix: Equipment Blank Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/6/17	9/8/17 22:24	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/6/17	9/8/17 22:24	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/6/17	9/8/17 22:24	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/6/17	9/8/17 22:24	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/6/17	9/8/17 22:24	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/6/17	9/8/17 22:24	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1	V-20	SW-846 8082A	9/6/17	9/8/17 22:24	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/6/17	9/8/17 22:24	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/6/17	9/8/17 22:24	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		92.9	30-150					9/8/17 22:24	
Decachlorobiphenyl [2]		100	30-150					9/8/17 22:24	
Tetrachloro-m-xylene [1]		93.7	30-150					9/8/17 22:24	
Tetrachloro-m-xylene [2]		90.9	30-150					9/8/17 22:24	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: Equipment Blank-57

Sampled: 8/30/2017 08:15

Sample ID: 17H1621-24

Sample Matrix: Equipment Blank Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	9/2/17	9/7/17 19:12	CJM
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	9/2/17	9/7/17 19:12	CJM
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/2/17	9/7/17 19:12	CJM
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/2/17	9/7/17 19:12	CJM
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	9/2/17	9/7/17 19:12	CJM
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/2/17	9/7/17 19:12	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	9/2/17	9/7/17 19:12	CJM
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/2/17	9/7/17 19:12	CJM
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/2/17	9/7/17 19:12	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/2/17	9/7/17 19:12	CJM
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	9/2/17	9/7/17 19:12	CJM
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/2/17	9/7/17 19:12	CJM
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/2/17	9/7/17 19:12	CJM
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/2/17	9/7/17 19:12	CJM
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/2/17	9/7/17 19:12	CJM
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/2/17	9/7/17 19:12	CJM
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/2/17	9/7/17 19:12	CJM
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Nitrobenzene-d5		75.1	30-130					9/7/17 19:12	
2-Fluorobiphenyl		73.1	30-130					9/7/17 19:12	
p-Terphenyl-d14		67.2	30-130					9/7/17 19:12	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: Equipment Blank-57

Sampled: 8/30/2017 08:15

Sample ID: 17H1621-24

Sample Matrix: Equipment Blank Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/6/17	9/8/17 22:37	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/6/17	9/8/17 22:37	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/6/17	9/8/17 22:37	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/6/17	9/8/17 22:37	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/6/17	9/8/17 22:37	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/6/17	9/8/17 22:37	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1	V-20	SW-846 8082A	9/6/17	9/8/17 22:37	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/6/17	9/8/17 22:37	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/6/17	9/8/17 22:37	TG
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	93.5		30-150				9/8/17 22:37		
Decachlorobiphenyl [2]	101		30-150				9/8/17 22:37		
Tetrachloro-m-xylene [1]	92.9		30-150				9/8/17 22:37		
Tetrachloro-m-xylene [2]	89.8		30-150				9/8/17 22:37		

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: Equipment Blank-57

Sampled: 8/30/2017 08:15

Sample ID: 17H1621-24

Sample Matrix: Equipment Blank Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.075	mg/L	1		CTDEP ETPH	9/6/17	9/8/17 20:44	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		95.6	50-150					9/8/17 20:44	

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Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1621-18 [WS-AOC14-SE-54]	B185603	30.0	1.00	09/06/17

Prep Method: SW-846 3510C-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1621-24 [Equipment Blank-57]	B185641	1000	1.00	09/06/17

Prep Method: SW-846 3580A-EPA 600 4-81-045

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1621-22 [WS-AOC9-OIL-91]	B185719	0.203	10.0	09/07/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17H1621-15 [WS-AOC14-SE-51]	B185393	09/01/17
17H1621-16 [WS-AOC14-SE-52]	B185393	09/01/17
17H1621-17 [WS-AOC14-SE-53]	B185393	09/01/17
17H1621-18 [WS-AOC14-SE-54]	B185393	09/01/17
17H1621-19 [WS-AOC14-SE-55]	B185393	09/01/17
17H1621-20 [WS-AOC14-SE-56]	B185393	09/01/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1621-01 [WS-AOC14-CO-43]	B185662	2.04	10.0	09/06/17
17H1621-02 [WS-AOC14-CO-44]	B185662	2.02	10.0	09/06/17
17H1621-03 [WS-AOC14-CO-45]	B185662	2.03	10.0	09/06/17
17H1621-04 [WS-AOC14-CO-46]	B185662	2.08	10.0	09/06/17
17H1621-05 [WS-AOC14-CO-47]	B185662	2.04	10.0	09/06/17
17H1621-06 [WS-AOC14-CO-48]	B185662	2.07	10.0	09/06/17
17H1621-07 [WS-AOC14-WO-49]	B185662	2.15	10.0	09/06/17
17H1621-08 [WS-AOC14-CO-50]	B185662	2.09	10.0	09/06/17
17H1621-09 [WS-AOC14-CO-51]	B185662	2.05	10.0	09/06/17
17H1621-10 [WS-AOC14-CO-52]	B185662	2.02	10.0	09/06/17
17H1621-11 [WS-AOC14-CO-53]	B185662	2.02	10.0	09/06/17
17H1621-12 [WS-AOC14-CO-54]	B185662	2.02	10.0	09/06/17
17H1621-13 [WS-AOC14-CO-55]	B185662	2.08	10.0	09/06/17
17H1621-14 [WS-AOC14-CO-56]	B185662	2.08	10.0	09/06/17
17H1621-21 [WS-AOC14-CO-Dup19]	B185662	2.09	10.0	09/06/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1621-15 [WS-AOC14-SE-51]	B185576	10.1	10.0	09/06/17
17H1621-16 [WS-AOC14-SE-52]	B185576	10.2	10.0	09/06/17
17H1621-17 [WS-AOC14-SE-53]	B185576	10.2	10.0	09/06/17
17H1621-18 [WS-AOC14-SE-54]	B185576	10.3	10.0	09/06/17
17H1621-19 [WS-AOC14-SE-55]	B185576	10.0	10.0	09/06/17

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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
17H1621-20 [WS-AOC14-SE-56]	B185576	10.1	10.0	09/06/17

Prep Method: SW-846 3510C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1621-23 [Equipment Blank-56]	B185572	1000	10.0	09/06/17
17H1621-24 [Equipment Blank-57]	B185572	1000	10.0	09/06/17

Prep Method: SW-846 3546-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1621-18 [WS-AOC14-SE-54]	B185658	30.0	2.00	09/06/17

Prep Method: SW-846 3510C-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1621-24 [Equipment Blank-57]	B185447	1000	1.00	09/02/17

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185447 - SW-846 3510C										
Blank (B185447-BLK1)										
Prepared: 09/02/17 Analyzed: 09/06/17										
Acenaphthene (SIM)	ND	0.30	µg/L							
Acenaphthylene (SIM)	ND	0.30	µg/L							
Anthracene (SIM)	ND	0.20	µg/L							
Benzo(a)anthracene (SIM)	ND	0.050	µg/L							
Benzo(a)pyrene (SIM)	ND	0.10	µg/L							
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L							
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L							
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L							
Chrysene (SIM)	ND	0.20	µg/L							
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L							
Fluoranthene (SIM)	ND	0.50	µg/L							
Fluorene (SIM)	ND	1.0	µg/L							
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L							
2-Methylnaphthalene (SIM)	ND	1.0	µg/L							
Naphthalene (SIM)	ND	1.0	µg/L							
Phenanthrene (SIM)	ND	0.050	µg/L							
Pyrene (SIM)	ND	1.0	µg/L							
Surrogate: Nitrobenzene-d5	77.8		µg/L	100		77.8	30-130			
Surrogate: 2-Fluorobiphenyl	73.6		µg/L	100		73.6	30-130			
Surrogate: p-Terphenyl-d14	68.8		µg/L	100		68.8	30-130			
LCS (B185447-BS1)										
Prepared: 09/02/17 Analyzed: 09/06/17										
Acenaphthene (SIM)	48.8	7.5	µg/L	50.0		97.7	40-140			
Acenaphthylene (SIM)	47.6	7.5	µg/L	50.0		95.3	40-140			
Anthracene (SIM)	51.3	5.0	µg/L	50.0		103	40-140			
Benzo(a)anthracene (SIM)	50.0	1.2	µg/L	50.0		100	40-140			
Benzo(a)pyrene (SIM)	53.6	2.5	µg/L	50.0		107	40-140			
Benzo(b)fluoranthene (SIM)	53.7	1.2	µg/L	50.0		107	40-140			
Benzo(g,h,i)perylene (SIM)	51.6	12	µg/L	50.0		103	40-140			
Benzo(k)fluoranthene (SIM)	52.7	5.0	µg/L	50.0		105	40-140			
Chrysene (SIM)	50.4	5.0	µg/L	50.0		101	40-140			
Dibenz(a,h)anthracene (SIM)	52.5	5.0	µg/L	50.0		105	40-140			
Fluoranthene (SIM)	51.0	12	µg/L	50.0		102	40-140			
Fluorene (SIM)	50.0	25	µg/L	50.0		100	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	51.9	5.0	µg/L	50.0		104	40-140			
2-Methylnaphthalene (SIM)	47.7	25	µg/L	50.0		95.4	40-140			
Naphthalene (SIM)	45.9	25	µg/L	50.0		91.8	40-140			
Phenanthrene (SIM)	50.4	1.2	µg/L	50.0		101	40-140			
Pyrene (SIM)	49.6	25	µg/L	50.0		99.1	40-140			
Surrogate: Nitrobenzene-d5	100		µg/L	100		100	30-130			
Surrogate: 2-Fluorobiphenyl	106		µg/L	100		106	30-130			
Surrogate: p-Terphenyl-d14	84.5		µg/L	100		84.5	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185447 - SW-846 3510C										
LCS Dup (B185447-BSD1)										
					Prepared: 09/02/17 Analyzed: 09/06/17					
Acenaphthene (SIM)	44.4	7.5	µg/L	50.0		88.8	40-140	9.60	20	
Acenaphthylene (SIM)	43.4	7.5	µg/L	50.0		86.8	40-140	9.34	20	
Anthracene (SIM)	46.4	5.0	µg/L	50.0		92.9	40-140	9.87	20	
Benzo(a)anthracene (SIM)	45.1	1.2	µg/L	50.0		90.2	40-140	10.4	20	
Benzo(a)pyrene (SIM)	47.8	2.5	µg/L	50.0		95.7	40-140	11.3	20	
Benzo(b)fluoranthene (SIM)	48.7	1.2	µg/L	50.0		97.4	40-140	9.86	20	
Benzo(g,h,i)perylene (SIM)	46.1	12	µg/L	50.0		92.2	40-140	11.4	20	
Benzo(k)fluoranthene (SIM)	47.4	5.0	µg/L	50.0		94.8	40-140	10.5	20	
Chrysene (SIM)	45.6	5.0	µg/L	50.0		91.2	40-140	9.99	20	
Dibenz(a,h)anthracene (SIM)	46.8	5.0	µg/L	50.0		93.6	40-140	11.4	20	
Fluoranthene (SIM)	44.9	12	µg/L	50.0		89.8	40-140	12.7	20	
Fluorene (SIM)	44.2	25	µg/L	50.0		88.5	40-140	12.3	20	
Indeno(1,2,3-cd)pyrene (SIM)	46.0	5.0	µg/L	50.0		92.1	40-140	12.0	20	‡
2-Methylnaphthalene (SIM)	43.1	25	µg/L	50.0		86.2	40-140	10.1	20	
Naphthalene (SIM)	41.9	25	µg/L	50.0		83.8	40-140	9.00	20	
Phenanthrene (SIM)	45.5	1.2	µg/L	50.0		91.0	40-140	10.1	20	
Pyrene (SIM)	45.8	25	µg/L	50.0		91.7	40-140	7.76	20	
Surrogate: Nitrobenzene-d5	90.0		µg/L	100		90.0	30-130			
Surrogate: 2-Fluorobiphenyl	94.8		µg/L	100		94.8	30-130			
Surrogate: p-Terphenyl-d14	75.1		µg/L	100		75.1	30-130			

Batch B185658 - SW-846 3546

Blank (B185658-BLK1)										
					Prepared: 09/06/17 Analyzed: 09/07/17					
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
Surrogate: Nitrobenzene-d5	2.27		mg/Kg wet	3.33		68.1	30-130			
Surrogate: 2-Fluorobiphenyl	2.41		mg/Kg wet	3.33		72.4	30-130			
Surrogate: p-Terphenyl-d14	3.28		mg/Kg wet	3.33		98.5	30-130			

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QUALITY CONTROL

Semivolatile 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 B185658 - SW-846 3546

LCS (B185658-BS1)

Prepared: 09/06/17 Analyzed: 09/07/17

Acenaphthene	1.06	0.17	mg/Kg wet	1.67		63.6	40-140			
Acenaphthylene	1.05	0.17	mg/Kg wet	1.67		63.0	40-140			
Anthracene	1.13	0.17	mg/Kg wet	1.67		67.9	40-140			
Benzo(a)anthracene	1.20	0.17	mg/Kg wet	1.67		71.9	40-140			
Benzo(a)pyrene	1.18	0.17	mg/Kg wet	1.67		70.9	40-140			
Benzo(b)fluoranthene	1.15	0.17	mg/Kg wet	1.67		68.8	40-140			
Benzo(g,h,i)perylene	0.995	0.17	mg/Kg wet	1.67		59.7	40-140			
Benzo(k)fluoranthene	1.13	0.17	mg/Kg wet	1.67		68.0	40-140			
Chrysene	1.12	0.17	mg/Kg wet	1.67		67.4	40-140			
Dibenz(a,h)anthracene	1.01	0.17	mg/Kg wet	1.67		60.5	40-140			
Fluoranthene	1.13	0.17	mg/Kg wet	1.67		67.8	40-140			
Fluorene	1.13	0.17	mg/Kg wet	1.67		68.0	40-140			
Indeno(1,2,3-cd)pyrene	1.04	0.17	mg/Kg wet	1.67		62.3	40-140			
2-Methylnaphthalene	1.16	0.17	mg/Kg wet	1.67		69.3	40-140			
Naphthalene	1.06	0.17	mg/Kg wet	1.67		63.5	40-140			
Phenanthrene	1.16	0.17	mg/Kg wet	1.67		69.6	40-140			
Pyrene	1.18	0.17	mg/Kg wet	1.67		71.0	40-140			
Surrogate: Nitrobenzene-d5	2.56		mg/Kg wet	3.33		76.7	30-130			
Surrogate: 2-Fluorobiphenyl	2.61		mg/Kg wet	3.33		78.4	30-130			
Surrogate: p-Terphenyl-d14	2.92		mg/Kg wet	3.33		87.5	30-130			

LCS Dup (B185658-BS1)

Prepared: 09/06/17 Analyzed: 09/07/17

Acenaphthene	1.07	0.17	mg/Kg wet	1.67		64.4	40-140	1.16	30	
Acenaphthylene	1.05	0.17	mg/Kg wet	1.67		63.1	40-140	0.190	30	
Anthracene	1.09	0.17	mg/Kg wet	1.67		65.6	40-140	3.36	30	
Benzo(a)anthracene	1.17	0.17	mg/Kg wet	1.67		70.4	40-140	2.08	30	
Benzo(a)pyrene	1.16	0.17	mg/Kg wet	1.67		69.7	40-140	1.76	30	
Benzo(b)fluoranthene	1.14	0.17	mg/Kg wet	1.67		68.2	40-140	0.993	30	
Benzo(g,h,i)perylene	0.995	0.17	mg/Kg wet	1.67		59.7	40-140	0.0335	30	
Benzo(k)fluoranthene	1.14	0.17	mg/Kg wet	1.67		68.3	40-140	0.352	30	
Chrysene	1.11	0.17	mg/Kg wet	1.67		66.5	40-140	1.35	30	
Dibenz(a,h)anthracene	1.08	0.17	mg/Kg wet	1.67		65.1	40-140	7.36	30	
Fluoranthene	1.11	0.17	mg/Kg wet	1.67		66.7	40-140	1.64	30	
Fluorene	1.11	0.17	mg/Kg wet	1.67		66.5	40-140	2.29	30	
Indeno(1,2,3-cd)pyrene	1.04	0.17	mg/Kg wet	1.67		62.6	40-140	0.384	30	
2-Methylnaphthalene	1.18	0.17	mg/Kg wet	1.67		70.6	40-140	1.83	30	
Naphthalene	1.07	0.17	mg/Kg wet	1.67		64.3	40-140	1.35	30	
Phenanthrene	1.12	0.17	mg/Kg wet	1.67		67.0	40-140	3.81	30	
Pyrene	1.15	0.17	mg/Kg wet	1.67		69.1	40-140	2.66	30	
Surrogate: Nitrobenzene-d5	2.67		mg/Kg wet	3.33		80.1	30-130			
Surrogate: 2-Fluorobiphenyl	2.67		mg/Kg wet	3.33		80.0	30-130			
Surrogate: p-Terphenyl-d14	2.90		mg/Kg wet	3.33		87.1	30-130			

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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
Batch B185572 - SW-846 3510C										
Blank (B185572-BLK1)										
Prepared: 09/06/17 Analyzed: 09/08/17										
Aroclor-1016	ND	0.10	µg/L							
Aroclor-1016 [2C]	ND	0.10	µg/L							
Aroclor-1221	ND	0.10	µg/L							
Aroclor-1221 [2C]	ND	0.10	µg/L							
Aroclor-1232	ND	0.10	µg/L							
Aroclor-1232 [2C]	ND	0.10	µg/L							
Aroclor-1242	ND	0.10	µg/L							
Aroclor-1242 [2C]	ND	0.10	µg/L							
Aroclor-1248	ND	0.10	µg/L							
Aroclor-1248 [2C]	ND	0.10	µg/L							
Aroclor-1254	ND	0.10	µg/L							
Aroclor-1254 [2C]	ND	0.10	µg/L							
Aroclor-1260	ND	0.10	µg/L							
Aroclor-1260 [2C]	ND	0.10	µg/L							
Aroclor-1262	ND	0.10	µg/L							
Aroclor-1262 [2C]	ND	0.10	µg/L							
Aroclor-1268	ND	0.10	µg/L							
Aroclor-1268 [2C]	ND	0.10	µg/L							
Surrogate: Decachlorobiphenyl	2.15		µg/L	2.00		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.27		µg/L	2.00		114	30-150			
Surrogate: Tetrachloro-m-xylene	2.11		µg/L	2.00		105	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	2.01		µg/L	2.00		100	30-150			
LCS (B185572-BS1)										
Prepared: 09/06/17 Analyzed: 09/08/17										
Aroclor-1016	0.52	0.20	µg/L	0.500		104	40-140			
Aroclor-1016 [2C]	0.48	0.20	µg/L	0.500		96.7	40-140			
Aroclor-1260	0.50	0.20	µg/L	0.500		100	40-140			V-06
Aroclor-1260 [2C]	0.48	0.20	µg/L	0.500		96.2	40-140			V-06
Surrogate: Decachlorobiphenyl	2.00		µg/L	2.00		100	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.13		µg/L	2.00		107	30-150			
Surrogate: Tetrachloro-m-xylene	1.92		µg/L	2.00		96.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.84		µg/L	2.00		92.1	30-150			
LCS Dup (B185572-BSD1)										
Prepared: 09/06/17 Analyzed: 09/08/17										
Aroclor-1016	0.51	0.20	µg/L	0.500		103	40-140	1.23	20	
Aroclor-1016 [2C]	0.49	0.20	µg/L	0.500		98.1	40-140	1.48	20	
Aroclor-1260	0.51	0.20	µg/L	0.500		102	40-140	1.23	20	V-06
Aroclor-1260 [2C]	0.49	0.20	µg/L	0.500		98.1	40-140	1.99	20	V-06
Surrogate: Decachlorobiphenyl	1.97		µg/L	2.00		98.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.12		µg/L	2.00		106	30-150			
Surrogate: Tetrachloro-m-xylene	1.86		µg/L	2.00		93.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.78		µg/L	2.00		89.2	30-150			

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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
Batch B185719 - SW-846 3580A										
Blank (B185719-BLK1)										
Prepared: 09/07/17 Analyzed: 09/10/17										
Aroclor-1016	ND	0.97	mg/Kg							
Aroclor-1016 [2C]	ND	0.97	mg/Kg							
Aroclor-1221	ND	0.97	mg/Kg							
Aroclor-1221 [2C]	ND	0.97	mg/Kg							
Aroclor-1232	ND	0.97	mg/Kg							
Aroclor-1232 [2C]	ND	0.97	mg/Kg							
Aroclor-1242	ND	0.97	mg/Kg							
Aroclor-1242 [2C]	ND	0.97	mg/Kg							
Aroclor-1248	ND	0.97	mg/Kg							
Aroclor-1248 [2C]	ND	0.97	mg/Kg							
Aroclor-1254	ND	0.97	mg/Kg							
Aroclor-1254 [2C]	ND	0.97	mg/Kg							
Aroclor-1260	ND	0.97	mg/Kg							
Aroclor-1260 [2C]	ND	0.97	mg/Kg							
Aroclor-1262	ND	0.97	mg/Kg							
Aroclor-1262 [2C]	ND	0.97	mg/Kg							
Aroclor-1268	ND	0.97	mg/Kg							
Aroclor-1268 [2C]	ND	0.97	mg/Kg							
Surrogate: Decachlorobiphenyl	8.26		mg/Kg	9.72		85.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	7.76		mg/Kg	9.72		79.8	30-150			
Surrogate: Tetrachloro-m-xylene	8.12		mg/Kg	9.72		83.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	8.59		mg/Kg	9.72		88.4	30-150			
LCS (B185719-BS1)										
Prepared: 09/07/17 Analyzed: 09/10/17										
Aroclor-1260	35	6.3	mg/Kg	33.8		104	85-115			
Aroclor-1260 [2C]	34	6.3	mg/Kg	33.8		101	85-115			
Surrogate: Decachlorobiphenyl	62.1		mg/Kg	62.9		98.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	59.4		mg/Kg	62.9		94.4	30-150			
Surrogate: Tetrachloro-m-xylene	58.8		mg/Kg	62.9		93.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	60.4		mg/Kg	62.9		96.0	30-150			
LCS Dup (B185719-BSD1)										
Prepared: 09/07/17 Analyzed: 09/10/17										
Aroclor-1260	34	6.5	mg/Kg	33.8		101	85-115	3.14	30	
Aroclor-1260 [2C]	33	6.5	mg/Kg	33.8		98.3	85-115	2.75	30	
Surrogate: Decachlorobiphenyl	62.4		mg/Kg	64.7		96.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	59.8		mg/Kg	64.7		92.3	30-150			
Surrogate: Tetrachloro-m-xylene	58.4		mg/Kg	64.7		90.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	60.4		mg/Kg	64.7		93.3	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 B185576 - SW-846 3540C

Blank (B185576-BLK1)

Prepared: 09/06/17 Analyzed: 09/09/17

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]	0.206		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene	0.209		mg/Kg wet	0.200		104	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.209		mg/Kg wet	0.200		105	30-150			

LCS (B185576-BS1)

Prepared: 09/06/17 Analyzed: 09/09/17

Aroclor-1016	0.20	0.020	mg/Kg wet	0.200		101	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		95.4	40-140			
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		88.1	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		81.3	40-140			
Surrogate: Decachlorobiphenyl	0.209		mg/Kg wet	0.200		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.204		mg/Kg wet	0.200		102	30-150			
Surrogate: Tetrachloro-m-xylene	0.206		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.206		mg/Kg wet	0.200		103	30-150			

LCS Dup (B185576-BSD1)

Prepared: 09/06/17 Analyzed: 09/09/17

Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		95.0	40-140	6.46	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		90.1	40-140	5.67	30	
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		79.8	40-140	9.91	30	
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		73.5	40-140	10.0	30	
Surrogate: Decachlorobiphenyl	0.179		mg/Kg wet	0.200		89.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.175		mg/Kg wet	0.200		87.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.193		mg/Kg wet	0.200		96.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.196		mg/Kg wet	0.200		98.2	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
Batch B185662 - SW-846 3540C										
Blank (B185662-BLK1)										
Prepared: 09/06/17 Analyzed: 09/12/17										
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	1.03		mg/Kg	1.00		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.964		mg/Kg	1.00		96.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.922		mg/Kg	1.00		92.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.925		mg/Kg	1.00		92.5	30-150			
LCS (B185662-BS1)										
Prepared: 09/06/17 Analyzed: 09/12/17										
Aroclor-1016	0.91	0.10	mg/Kg	1.00		91.1	40-140			
Aroclor-1016 [2C]	0.89	0.10	mg/Kg	1.00		88.7	40-140			
Aroclor-1260	0.83	0.10	mg/Kg	1.00		83.1	40-140			
Aroclor-1260 [2C]	0.78	0.10	mg/Kg	1.00		77.8	40-140			
Surrogate: Decachlorobiphenyl	1.04		mg/Kg	1.00		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.989		mg/Kg	1.00		98.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.938		mg/Kg	1.00		93.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.944		mg/Kg	1.00		94.4	30-150			
LCS Dup (B185662-BSD1)										
Prepared: 09/06/17 Analyzed: 09/12/17										
Aroclor-1016	0.92	0.10	mg/Kg	1.00		91.7	40-140	0.703	30	
Aroclor-1016 [2C]	0.91	0.10	mg/Kg	1.00		91.4	40-140	3.03	30	
Aroclor-1260	0.85	0.10	mg/Kg	1.00		85.2	40-140	2.47	30	
Aroclor-1260 [2C]	0.79	0.10	mg/Kg	1.00		79.2	40-140	1.75	30	
Surrogate: Decachlorobiphenyl	1.02		mg/Kg	1.00		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.980		mg/Kg	1.00		98.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.956		mg/Kg	1.00		95.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.960		mg/Kg	1.00		96.0	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185603 - SW-846 3546										
Blank (B185603-BLK1)										
Prepared: 09/06/17 Analyzed: 09/07/17										
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	3.25		mg/Kg wet	3.33		97.5	50-150			
LCS (B185603-BS1)										
Prepared: 09/06/17 Analyzed: 09/07/17										
CT ETPH	23.2	10	mg/Kg wet	33.3		69.5	60-120			
Surrogate: o-Terphenyl	2.82		mg/Kg wet	3.33		84.6	50-150			
LCS Dup (B185603-BSD1)										
Prepared: 09/06/17 Analyzed: 09/07/17										
CT ETPH	25.8	10	mg/Kg wet	33.3		77.3	60-120	10.6	30	
Surrogate: o-Terphenyl	3.33		mg/Kg wet	3.33		99.8	50-150			
Batch B185641 - SW-846 3510C										
Blank (B185641-BLK1)										
Prepared: 09/06/17 Analyzed: 09/08/17										
CT ETPH	ND	0.075	mg/L							
Surrogate: o-Terphenyl	0.0982		mg/L	0.100		98.2	50-150			
LCS (B185641-BS1)										
Prepared: 09/06/17 Analyzed: 09/08/17										
CT ETPH	0.781	0.075	mg/L	1.00		78.1	60-120			
Surrogate: o-Terphenyl	0.0952		mg/L	0.100		95.2	50-150			
LCS Dup (B185641-BSD1)										
Prepared: 09/06/17 Analyzed: 09/08/17										
CT ETPH	0.756	0.075	mg/L	1.00		75.6	60-120	3.30	30	
Surrogate: o-Terphenyl	0.0925		mg/L	0.100		92.5	50-150			

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

WS-AOC14-CO-43

SW-846 8082A

Lab Sample ID: 17H1621-01 Date(s) Analyzed: 09/12/2017 09/12/2017

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-1248	1	0.000	0.000	0.000	0.099	
	2	0.000	0.000	0.000	0.11	10.5
Aroclor-1254	1	0.000	0.000	0.000	0.14	
	2	0.000	0.000	0.000	0.14	0.0
Aroclor-1260	1	0.000	0.000	0.000	0.20	
	2	0.000	0.000	0.000	0.23	14.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

WS-AOC14-CO-44

SW-846 8082A

Lab Sample ID: 17H1621-02 Date(s) Analyzed: 09/12/2017 09/12/2017

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-1248	1	0.000	0.000	0.000	0.14	
	2	0.000	0.000	0.000	0.16	13.3
Aroclor-1254	1	0.000	0.000	0.000	0.16	
	2	0.000	0.000	0.000	0.18	11.8
Aroclor-1260	1	0.000	0.000	0.000	0.15	
	2	0.000	0.000	0.000	0.20	28.6

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

WS-AOC14-CO-45

SW-846 8082A

Lab Sample ID: 17H1621-03 Date(s) Analyzed: 09/12/2017 09/12/2017

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-1248	1	0.000	0.000	0.000	0.11	
	2	0.000	0.000	0.000	0.11	0.0
Aroclor-1254	1	0.000	0.000	0.000	0.12	
	2	0.000	0.000	0.000	0.12	0.0

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

WS-AOC14-CO-50

Lab Sample ID: 17H1621-08 Date(s) Analyzed: 09/12/2017 09/12/2017

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-1248	1	0.000	0.000	0.000	0.096	
	2	0.000	0.000	0.000	0.10	4.1
Aroclor-1254	1	0.000	0.000	0.000	0.11	
	2	0.000	0.000	0.000	0.11	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

WS-AOC14-SE-51

SW-846 8082A

Lab Sample ID: 17H1621-15 Date(s) Analyzed: 09/10/2017 09/10/2017

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-1248	1	0.000	-0.030	0.030	0.59	
	2	0.000	-0.030	0.030	0.56	5.2
Aroclor-1254	1	0.000	-0.030	0.030	0.47	
	2	0.000	-0.030	0.030	0.53	12.0
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**

WS-AOC14-SE-52

SW-846 8082A

Lab Sample ID: 17H1621-16 Date(s) Analyzed: 09/10/2017 09/10/2017

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-1248	1	0.000	-0.030	0.030	0.30	
	2	0.000	-0.030	0.030	0.31	3.3
Aroclor-1254	1	0.000	-0.030	0.030	0.31	
	2	0.000	-0.030	0.030	0.34	9.2

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

WS-AOC14-SE-53

SW-846 8082A

Lab Sample ID: 17H1621-17 Date(s) Analyzed: 09/10/2017 09/10/2017

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	0.097	
	2	0.000	-0.030	0.030	0.12	21.2

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

WS-AOC14-SE-54

SW-846 8082A

Lab Sample ID: 17H1621-18 Date(s) Analyzed: 09/10/2017 09/10/2017

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-1248	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.21	0.0
Aroclor-1254	1	0.000	-0.030	0.030	0.29	
	2	0.000	-0.030	0.030	0.35	18.8

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

WS-AOC14-SE-55

Lab Sample ID: 17H1621-19 Date(s) Analyzed: 09/10/2017 09/10/2017

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-1248	1	0.000	-0.030	0.030	2.1	
	2	0.000	-0.030	0.030	1.9	10.0
Aroclor-1254	1	0.000	-0.030	0.030	1.6	
	2	0.000	-0.030	0.030	1.7	6.1
Aroclor-1260	1	0.000	-0.030	0.030	0.57	
	2	0.000	-0.030	0.030	0.64	11.6

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

WS-AOC14-SE-56

SW-846 8082A

Lab Sample ID: 17H1621-20 Date(s) Analyzed: 09/10/2017 09/10/2017

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-1248	1	0.000	-0.030	0.030	0.31	
	2	0.000	-0.030	0.030	0.33	6.3
Aroclor-1254	1	0.000	-0.030	0.030	0.47	
	2	0.000	-0.030	0.030	0.55	15.7
Aroclor-1260	1	0.000	-0.030	0.030	0.29	
	2	0.000	-0.030	0.030	0.30	3.4

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
EPA 600 4-81-045

WS-AOC9-OIL-91

Lab Sample ID: 17H1621-22 Date(s) Analyzed: 09/13/2017 09/13/2017

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-1260	1	0.000	0.000	0.000	5.0	
	2	0.000	0.000	0.000	4.2	17.4

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

SW-846 8082A

Lab Sample ID: B185572-BS1 Date(s) Analyzed: 09/08/2017 09/08/2017

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	0.000	0.000	0.52	
	2	0.000	0.000	0.000	0.48	8.0
Aroclor-1260	1	0.000	0.000	0.000	0.50	
	2	0.000	0.000	0.000	0.48	4.1

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

SW-846 8082A

Lab Sample ID: B185572-BSD1 Date(s) Analyzed: 09/08/2017 09/08/2017

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	0.000	0.000	0.51	
	2	0.000	0.000	0.000	0.49	4.0
Aroclor-1260	1	0.000	0.000	0.000	0.51	
	2	0.000	0.000	0.000	0.49	4.0

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

LCS

Lab Sample ID: B185576-BS1 Date(s) Analyzed: 09/09/2017 09/09/2017

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	0.19	5.1
Aroclor-1260	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**

LCS Dup

SW-846 8082A

Lab Sample ID: B185576-BSD1 Date(s) Analyzed: 09/09/2017 09/09/2017

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	0.15	6.5

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

LCS

Lab Sample ID: B185662-BS1 Date(s) Analyzed: 09/12/2017 09/12/2017

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	0.000	0.000	0.91	
	2	0.000	0.000	0.000	0.89	2.2
Aroclor-1260	1	0.000	0.000	0.000	0.83	
	2	0.000	0.000	0.000	0.78	6.2

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

SW-846 8082A

Lab Sample ID: B185662-BSD1 Date(s) Analyzed: 09/12/2017 09/12/2017

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	0.000	0.000	0.92	
	2	0.000	0.000	0.000	0.91	1.1
Aroclor-1260	1	0.000	0.000	0.000	0.85	
	2	0.000	0.000	0.000	0.79	7.3

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
EPA 600 4-81-045

LCS Dup

Lab Sample ID: B185719-BSD1 Date(s) Analyzed: 09/10/2017 09/10/2017

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	0.000	0.000	34	
	2	0.000	0.000	0.000	33	3.0

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
DL	Method Detection Limit
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.
DL-03	Elevated reporting limit due to matrix.
RL-12	Elevated reporting limit due to matrix interference.
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.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
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
<i>CTDEP ETPH in Soil</i>	
CT ETPH	CT
<i>CTDEP ETPH in Water</i>	
CT ETPH	CT
<i>EPA 600 4-81-045 in Oil</i>	
Aroclor-1016	MA,NY,ME
Aroclor-1016 [2C]	MA,NY,ME
Aroclor-1221	MA,NY,ME
Aroclor-1221 [2C]	MA,NY,ME
Aroclor-1232	MA,NY,ME
Aroclor-1232 [2C]	MA,NY,ME
Aroclor-1242	MA,NY,ME
Aroclor-1242 [2C]	MA,NY,ME
Aroclor-1248	MA,NY,ME
Aroclor-1248 [2C]	MA,NY,ME
Aroclor-1254	MA,NY,ME
Aroclor-1254 [2C]	MA,NY,ME
Aroclor-1260	MA,NY,ME
Aroclor-1260 [2C]	MA,NY,ME
Aroclor-1262	MA,NY,ME
Aroclor-1262 [2C]	MA,NY,ME
Aroclor-1268	MA,NY,ME
Aroclor-1268 [2C]	MA,NY,ME
<i>SW-846 8082A in Product/Solid</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
<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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Soil</i>	
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
<i>SW-846 8082A in Water</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
<i>SW-846 8270D in Soil</i>	
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA
Benzo(k)fluoranthene	CT,NY,NH,ME,NC,VA
Chrysene	CT,NY,NH,ME,NC,VA
Dibenz(a,h)anthracene	CT,NY,NH,ME,NC,VA
Fluoranthene	CT,NY,NH,ME,NC,VA

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Soil	
Fluorene	CT,NY,NH,ME,NC,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NH,ME,NC,VA
2-Methylnaphthalene	CT,NY,NH,ME,NC,VA
Naphthalene	CT,NY,NH,ME,NC,VA
Phenanthrene	CT,NY,NH,ME,NC,VA
Pyrene	CT,NY,NH,ME,NC,VA
SW-846 8270D in Water	
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA
Benzo(k)fluoranthene	CT,NY,NH,ME,NC,VA
Chrysene	CT,NY,NH,ME,NC,VA
Dibenz(a,h)anthracene	CT,NY,NH,ME,NC,VA
Fluoranthene	CT,NY,NH,ME,NC,VA
Fluorene	CT,NY,NH,ME,NC,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NH,ME,NC,VA
2-Methylnaphthalene	CT,NY,NH,ME,NC,VA
Naphthalene	CT,NY,NH,ME,NC,VA
Phenanthrene	CT,NY,NH,ME,NC,VA
Pyrene	CT,NY,NH,ME,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	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
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	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

7-Day 10-Day
 Other: 5-day

Rush-Approval Required

1-Day 3-Day
 2-Day 4-Day

Data Delivery

Format: PDF EXCEL
 Other:

Enhanced Data Package Required:

Email To: beelerm@wseinc.com

Fax To #:

con-test
ANALYTICAL LABORATORY

Phone: 413-525-1332
 Fax: 413-525-6405

Email: info@contestlabs.com

Company Name: Weston & Sampson Engineers
 Address: 273 Dividend Rd Reedy Hill, CT
 Phone: 860 513-1473

Project Name: English Station

Project Location: 510 Grand Ave, New Haven, CT

Project Number: 2170495

Project Manager: Malcolm Beeler

Con-Test Bid:

Invoice Recipient: Malcolm Beeler (Weston & Sampson)

Sampled By: ~~Chris Beeler~~/Will Sirotnak

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
01	WS-AOC14-Co-43	8/30/17	900		X	0	U
02	WS-AOC14-Co-44		910				
03	WS-AOC14-Co-45		920				
04	WS-AOC14-Co-46		930				
05	WS-AOC14-Co-47		940				
06	WS-AOC14-Co-48		950				
07	WS-AOC14-WO-49		1000				
08	WS-AOC14-Co-50		1010				
09	WS-AOC14-Co-51		1100				
10	WS-AOC14-Co-52		1110				

ANALYSIS REQUESTED

PCBs Via Soxhlet

- 1 Matrix Codes:**
 GW = Ground Water
 WW = Waste Water
 DW = Drinking Water
 A = Air
 S = Soil/Solid
 SL = Sludge
 O = Other (please define)
 P = Pesticides (M, D, C)

- 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)

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

Program Information

- MCP Analytical Certification Form Required
 RCP Analysis Certification Form Required
 MA State DW Form Required
 PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

Relinquished by: (signature)	Date/Time	Detection Limit Requirements
<i>[Signature]</i>	8/30/17	MA
Received by: (signature)	Date/Time	
<i>[Signature]</i>	8/30/17 1645	
Relinquished by: (signature)	Date/Time	RES DEC
<i>[Signature]</i>	8/30/17 1830	
Received by: (signature)	Date/Time	Other
<i>[Signature]</i>	8/30/17 1830	
Relinquished by: (signature)	Date/Time	
<i>[Signature]</i>		

CHAIN OF CUSTODY RECORD

171100

Phone: 413-525-2332
Fax: 413-525-6405

Company Name: Weston & Sampson Engineers
Address: 273 Dividend Rd Rocky Hill, CT
Phone: 860 513-1473
Project Name: English Station
Project Location: 510 Grand Ave, New Haven, CT
Project Number: 2170495
Project Manager: Malcolm Beeler
Con-Test Bid: Malcolm Beeler
Invoice Recipient: Malcolm Beeler (Weston & Sampson)
Sampled By: Chris Berthiaume/Will Sirotnak

Requested Turnaround Time:
7-Day 10-Day
Other: 5-day
Rush Approval Required:
1-Day 3-Day
2-Day 4-Day
Data Delivery:
Format: PDF EXCEL
Other:
Enhanced Data Package Required:
Email To: beelerm@wseinc.com
Fax To #:

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
11	WS-AOC14-CO-53	8/30/17	1120		X	O	U
12	WS-AOC14-CO-54	8/30/17	1130				
13	WS-AOC14-CO-55		1140				
14	WS-AOC14-CO-56		1150				
15	WS-AOC14-SE-51		1105			S	
16	WS-AOC14-SE-52		1115				
17	WS-AOC14-SE-53		1125				
18	WS-AOC14-SE-54		1135				
19	WS-AOC14-SE-55		1145				
20	WS-AOC14-SE-56		1155				

Comments:

Please hold excess volumes for possible SPLP 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:	Relinquished by: (signature)	Date/Time:	Relinquished by: (signature)	Date/Time:	Relinquished by: (signature)	Date/Time:
<i>[Signature]</i>	8/30/17	<i>[Signature]</i>	8/30/17 1645	<i>[Signature]</i>	8/30/17 1830	<i>[Signature]</i>	8/30/17 1830
<i>[Signature]</i>		<i>[Signature]</i>		<i>[Signature]</i>		<i>[Signature]</i>	
<i>[Signature]</i>		<i>[Signature]</i>		<i>[Signature]</i>		<i>[Signature]</i>	
<i>[Signature]</i>		<i>[Signature]</i>		<i>[Signature]</i>		<i>[Signature]</i>	

Detection Limit Requirements
MA
CT
Other

Program Information
 MCP Analytical Certification Form Required
 RCP Analysis Certification Form Required
 MA State DW Form Required
 PWSID # _____

RELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

of Containers

2 Preservation Code

3 Container Code

Dissolved Metal 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/Solid
 SL = Sludge
 O = Other (please define)
 Previous Medication

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)

17H16021

Phone: 413-525-2332

Fax: 413-525-6405

Email: info@contestlabs.com

Company Name: Weston & Sampson Engineers

Address: 273 Dividend Rd Rocky Hill, CT

Phone: 860 513-1473

Project Name: English Station

Project Location: 510 Grand Ave, New Haven, CT

Project Number: 2170495

Project Manager: Malcolm Beeler

Con-Test Bid:

Invoice Recipient: Malcolm Beeler (Weston & Sampson)

Sampled By: ~~Chris Berthier~~/Will Sirotnak

Requested Turnaround Time: 7-Day 10-Day 5-day

Other: Rush-Approval Required

1-Day 3-Day 2-Day 4-Day

Data Delivery: EXCEL PDF

Other: Enhanced Data Package Required:

Email To: beelerm@wseinc.com

Fax To #:

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
01	WS-AUG14-CO-DUP 19	8/30/17	-		X	O	U
02	WS-AUG14-CO-CIL-91		830	X	X	OIL	U
03	Equipment Blank-56		800	X	X	W	U
04	Equipment Blank-57		815	X	X	W	U

Comments:

Please hold excess volumes for possible SPLP 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	Detection Limit Requirements
<i>[Signature]</i>	8/30/17	MA
<i>[Signature]</i>	8/30/17 1645	CT
<i>[Signature]</i>	8/30/17 1830	Other

Program Information

MCP Analytical Certification Form Required
 RCP Analysis Certification Form Required
 MA State DW Form Required
 PWSID # _____

NEELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

of Containers

Preservation Code

Container Code

Dissolved Metal 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/Solid
 SL = Sludge
 O = Other (please define)
 (AUGUST 2017)

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)

39 Spruce St.
 East Longmeadow, MA. 01028
 P: 413-525-2332
 F: 413-525-6405
 www.contestlabs.com



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 K Sampson
 Received By BLF Date 8/30/17 Time 1830

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

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 2.4°C
 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? NA MS/MSD? NA
 Proper Media/Containers Used? T Is splitting samples required? F
 Were trip blanks received? F On COC? NA
 Do all samples have the proper pH? Acid NA Base NA

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.	<u>8</u>	1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear <u>60</u>
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear <u>112</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]

D:\HPCHEM\1\DATA\A090717.SEC\A0907107.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/8/17
 Data File Name A0907107.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	633604	668690	-5
c - 10	1.63	642603	668690	-4
c - 12	2.35	661457	668690	-1
c - 14	3.01	675114	668690	1
c - 16	3.61	691044	668690	3
c - 18	4.23	682814	668690	2
o-Terphenyl	4.51	760564	668690	
c - 20	4.83	689419	668690	3
c - 22	5.34	698070	668690	4
c - 24	5.77	652285	668690	-2
c - 26	6.17	681611	668690	2
c - 28	6.52	673200	668690	1
c - 30	6.86	670545	668690	0
c - 32	7.16	656318	668690	-2
c - 34	7.46	660463	668690	-1
c - 36	7.77	661808	668690	-1

* One compound allowed %D <= 50%

Samples

17H1579-01RE1
 17H1544-11
 17H1621-18@20X

D:\HPCHEM1\DATA\A091117\A0911006.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/11/17
 Data File Name A0911006.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	524328	554084	-5
c - 10	1.64	532804	554084	-4
c - 12	2.37	552317	554084	0
c - 14	3.04	566100	554084	2
c - 16	3.65	580624	554084	5
c - 18	4.29	575815	554084	4
o-Terphenyl	4.57	636260	554084	
c - 20	4.89	583143	554084	5
c - 22	5.39	592516	554084	7
c - 24	5.83	553643	554084	0
c - 26	6.23	583238	554084	5
c - 28	6.59	572763	554084	3
c - 30	6.92	554883	554084	0
c - 32	7.23	523847	554084	-5
c - 34	7.53	511661	554084	-8
c - 36	7.87	503585	554084	-9

* One compound allowed %D < /= 50%

Samples

1710043-04@10X

D:\HPCHEM\1\DATA\A090817\A0908022.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/8/17
 Data File Name A0908022.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	***D +/- 20
c - 9	1.29	481727	522771	-8
c - 10	1.64	490421	522771	-6
c - 12	2.37	509864	522771	-2
c - 14	3.04	523547	522771	0
c - 16	3.65	537626	522771	3
c - 18	4.29	533903	522771	2
o-Terphenyl	4.57	592385	522771	
c - 20	4.89	542364	522771	4
c - 22	5.39	553081	522771	6
c - 24	5.83	517523	522771	-1
c - 26	6.23	545373	522771	4
c - 28	6.59	537619	522771	3
c - 30	6.92	530058	522771	1
c - 32	7.24	513896	522771	-2
c - 34	7.53	512488	522771	-2
c - 36	7.88	512079	522771	-2

* One compound allowed %D <= 50%

Samples

1710043-01
 1710043-02
 1710043-03
 1710043-05

D:\HPCHEM\1\DATA\A090817.SEC\A0908023.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/8/17
 Data File Name A0908023.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	">%D +/- 20
c - 9	1.28	595189	627905	-5
c - 10	1.62	603227	627905	-4
c - 12	2.34	621946	627905	-1
c - 14	3.01	635030	627905	1
c - 16	3.61	650070	627905	4
c - 18	4.23	642037	627905	2
o-Terphenyl	4.51	713270	627905	
c - 20	4.83	648513	627905	3
c - 22	5.34	656041	627905	4
c - 24	5.77	610215	627905	-3
c - 26	6.16	640547	627905	2
c - 28	6.52	632830	627905	1
c - 30	6.85	628422	627905	0
c - 32	7.16	615507	627905	-2
c - 34	7.46	619124	627905	-1
c - 36	7.77	619880	627905	-1

* One compound allowed %D <= 50%

Samples

17H1621-24
 17I0058-15
 17I0065-01
 17I0066-03
 17H1066-03
 17H1066-02
 17H1066-03
 17H1066-04
 17H1066-05
 17H1643-01
 17H1643-01
 117I0028-01



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: 510 Grand Ave., New Haven, CT

Project Number: 17H1621

Laboratory Sample ID(s):

Sample Date(s):

17H1621-01 thru 17H1621-24

08/30/2017

List RCP Methods Used:

CTDEP ETPH, EPA 600 4-81-045, SW-846 8082A, SW-846 8270D

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 checked="" type="checkbox"/> Yes <input 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 type="checkbox"/> Yes <input checked="" 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."

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:

Position: Project Manager

Printed Name: Lisa A. Worthington

Date: 09/14/17

Name of Laboratory: Con-Test Analytical Laboratory

This certification form is to be used for RCP methods only.

September 15, 2017

Malcolm Beeler
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: 510 Grand Ave., New Haven, CT
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17I0058

Enclosed are results of analyses for samples received by the laboratory on September 1, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "James Georgantas". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

James M. Georgantas
Project Manager

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

Weston & Sampson
 273 Dividend Road
 Rocky Hill, CT 06067
 ATTN: Malcolm Beeler

REPORT DATE: 9/15/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 1710058

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

PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC14-SE-57	1710058-01	Soil		SM 2540G SW-846 8082A	
WS-AOC14-SE-58	1710058-02	Soil		SM 2540G SW-846 8082A	
WS-AOC14-SE-59	1710058-03	Soil		SM 2540G SW-846 8082A	
WS-AOC14-SE-60	1710058-04	Soil		SM 2540G SW-846 8082A	
WS-AOC14-SE-61	1710058-05	Soil		SM 2540G SW-846 8082A	
WS-AOC14-SE-62	1710058-06	Soil		SM 2540G SW-846 8082A	
WS-AOC14-SE-63	1710058-07	Soil		CTDEP ETPH SM 2540G SW-846 8082A SW-846 8270D	
WS-AOC14-CO-57	1710058-08	Product/Solid		SW-846 8082A	
WS-AOC14-CO-58	1710058-09	Product/Solid		SW-846 8082A	
WS-AOC14-CO-59	1710058-10	Product/Solid		SW-846 8082A	
WS-AOC14-CO-60	1710058-11	Product/Solid		SW-846 8082A	
WS-AOC14-CO-61	1710058-12	Product/Solid		SW-846 8082A	
WS-AOC14-CO-62	1710058-13	Product/Solid		SW-846 8082A	
WS-AOC14-CO-63	1710058-14	Product/Solid		SW-846 8082A	
Equipment Blank-59	1710058-15	Equipment Blank Water		CTDEP ETPH SW-846 8082A SW-846 8270D	
Equipment Blank-60	1710058-16	Equipment Blank Water		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 8270, only PAHs were requested and reported.

SW-846 8082A**Qualifications:**

DL-03

Elevated reporting limit due to matrix.

Analyte & Samples(s) Qualified:

1710058-10[WS-AOC14-CO-59]

O-03

Sample contains two incompletely resolved aroclors. Aroclor with the closest matching pattern is reported.

Analyte & Samples(s) Qualified:

Aroclor-1254 [2C]

1710058-02[WS-AOC14-SE-58]

V-06

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

Aroclor-1260 [2C]

B185791-BS1, B185791-BSD1

SW-846 8270D**Qualifications:**

E

Reported result is estimated. Value reported over verified calibration range.

Analyte & Samples(s) Qualified:

Benzo(b)fluoranthene

1710058-07[WS-AOC14-SE-63]

Fluoranthene

1710058-07[WS-AOC14-SE-63]

Phenanthrene

1710058-07[WS-AOC14-SE-63]

Pyrene

1710058-07[WS-AOC14-SE-63]

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: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-SE-57

Sampled: 9/1/2017 08:30

Sample ID: 1710058-01

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	0.12	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 22:38	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 22:38	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 22:38	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 22:38	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 22:38	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 22:38	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 22:38	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 22:38	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 22:38	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		35.0	30-150					9/13/17 22:38	
Decachlorobiphenyl [2]		47.5	30-150					9/13/17 22:38	
Tetrachloro-m-xylene [1]		37.2	30-150					9/13/17 22:38	
Tetrachloro-m-xylene [2]		34.9	30-150					9/13/17 22:38	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-SE-57

Sampled: 9/1/2017 08:30

Sample ID: 1710058-01

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	68.0		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-SE-58

Sampled: 9/1/2017 08:40

Sample ID: 1710058-02

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	9/8/17	9/13/17 22:56	KAL
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 22:56	KAL
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 22:56	KAL
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 22:56	KAL
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 22:56	KAL
Aroclor-1254 [2]	0.13	0.086	mg/Kg dry	4	O-03	SW-846 8082A	9/8/17	9/13/17 22:56	KAL
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 22:56	KAL
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 22:56	KAL
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 22:56	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		83.9	30-150					9/13/17 22:56	
Decachlorobiphenyl [2]		102	30-150					9/13/17 22:56	
Tetrachloro-m-xylene [1]		91.3	30-150					9/13/17 22:56	
Tetrachloro-m-xylene [2]		87.4	30-150					9/13/17 22:56	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-SE-58

Sampled: 9/1/2017 08:40

Sample ID: 1710058-02

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	92.5		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-SE-59

Sampled: 9/1/2017 08:50

Sample ID: 1710058-03

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	0.14	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:13	KAL
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:13	KAL
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:13	KAL
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:13	KAL
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:13	KAL
Aroclor-1254 [2]	0.16	0.14	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:13	KAL
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:13	KAL
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:13	KAL
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:13	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		91.2	30-150					9/13/17 23:13	
Decachlorobiphenyl [2]		119	30-150					9/13/17 23:13	
Tetrachloro-m-xylene [1]		95.5	30-150					9/13/17 23:13	
Tetrachloro-m-xylene [2]		90.3	30-150					9/13/17 23:13	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-SE-59

Sampled: 9/1/2017 08:50

Sample ID: 1710058-03

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	57.3		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-SE-60

Sampled: 9/1/2017 09:00

Sample ID: 1710058-04

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	0.14	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:30	KAL
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:30	KAL
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:30	KAL
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:30	KAL
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:30	KAL
Aroclor-1254 [2]	0.17	0.14	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:30	KAL
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:30	KAL
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:30	KAL
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:30	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		89.4	30-150					9/13/17 23:30	
Decachlorobiphenyl [2]		115	30-150					9/13/17 23:30	
Tetrachloro-m-xylene [1]		94.2	30-150					9/13/17 23:30	
Tetrachloro-m-xylene [2]		91.1	30-150					9/13/17 23:30	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-SE-60

Sampled: 9/1/2017 09:00

Sample ID: 1710058-04

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	56.1		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-SE-61

Sampled: 9/1/2017 09:10

Sample ID: 1710058-05

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	0.088	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:48	KAL
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:48	KAL
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:48	KAL
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:48	KAL
Aroclor-1248 [2]	0.12	0.088	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:48	KAL
Aroclor-1254 [2]	0.15	0.088	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:48	KAL
Aroclor-1260 [2]	0.14	0.088	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:48	KAL
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:48	KAL
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:48	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	84.8		30-150				9/13/17 23:48		
Decachlorobiphenyl [2]	126		30-150				9/13/17 23:48		
Tetrachloro-m-xylene [1]	87.4		30-150				9/13/17 23:48		
Tetrachloro-m-xylene [2]	82.6		30-150				9/13/17 23:48		

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-SE-61

Sampled: 9/1/2017 09:10

Sample ID: 1710058-05

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	90.8		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-SE-62

Sampled: 9/1/2017 09:20

Sample ID: 1710058-06

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	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/14/17 0:05	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/14/17 0:05	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/14/17 0:05	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/14/17 0:05	KAL
Aroclor-1248 [2]	0.20	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/14/17 0:05	KAL
Aroclor-1254 [2]	0.27	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/14/17 0:05	KAL
Aroclor-1260 [2]	0.27	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/14/17 0:05	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/14/17 0:05	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/14/17 0:05	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		82.5	30-150					9/14/17 0:05	
Decachlorobiphenyl [2]		146	30-150					9/14/17 0:05	
Tetrachloro-m-xylene [1]		85.4	30-150					9/14/17 0:05	
Tetrachloro-m-xylene [2]		80.8	30-150					9/14/17 0:05	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-SE-62

Sampled: 9/1/2017 09:20

Sample ID: 1710058-06

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	95.8		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-SE-63

Sampled: 9/1/2017 09:30

Sample ID: 1710058-07

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	0.42	0.27	mg/Kg dry	1		SW-846 8270D	9/8/17	9/11/17 18:31	BGL
Acenaphthene	ND	1.4	mg/Kg dry	5		SW-846 8270D	9/8/17	9/12/17 15:56	BGL
Acenaphthylene	0.29	0.27	mg/Kg dry	1		SW-846 8270D	9/8/17	9/11/17 18:31	BGL
Acenaphthylene	ND	1.4	mg/Kg dry	5		SW-846 8270D	9/8/17	9/12/17 15:56	BGL
Anthracene	1.8	0.27	mg/Kg dry	1		SW-846 8270D	9/8/17	9/11/17 18:31	BGL
Anthracene	1.9	1.4	mg/Kg dry	5		SW-846 8270D	9/8/17	9/12/17 15:56	BGL
Benzo(a)anthracene	5.1	0.27	mg/Kg dry	1		SW-846 8270D	9/8/17	9/11/17 18:31	BGL
Benzo(a)anthracene	5.3	1.4	mg/Kg dry	5		SW-846 8270D	9/8/17	9/12/17 15:56	BGL
Benzo(a)pyrene	4.6	0.27	mg/Kg dry	1		SW-846 8270D	9/8/17	9/11/17 18:31	BGL
Benzo(a)pyrene	4.7	1.4	mg/Kg dry	5		SW-846 8270D	9/8/17	9/12/17 15:56	BGL
Benzo(b)fluoranthene	6.6	0.27	mg/Kg dry	1	E	SW-846 8270D	9/8/17	9/11/17 18:31	BGL
Benzo(b)fluoranthene	6.7	1.4	mg/Kg dry	5		SW-846 8270D	9/8/17	9/12/17 15:56	BGL
Benzo(g,h,i)perylene	3.2	0.27	mg/Kg dry	1		SW-846 8270D	9/8/17	9/11/17 18:31	BGL
Benzo(g,h,i)perylene	2.6	1.4	mg/Kg dry	5		SW-846 8270D	9/8/17	9/12/17 15:56	BGL
Benzo(k)fluoranthene	2.3	0.27	mg/Kg dry	1		SW-846 8270D	9/8/17	9/11/17 18:31	BGL
Benzo(k)fluoranthene	2.4	1.4	mg/Kg dry	5		SW-846 8270D	9/8/17	9/12/17 15:56	BGL
Chrysene	5.6	0.27	mg/Kg dry	1		SW-846 8270D	9/8/17	9/11/17 18:31	BGL
Chrysene	5.7	1.4	mg/Kg dry	5		SW-846 8270D	9/8/17	9/12/17 15:56	BGL
Dibenz(a,h)anthracene	0.86	0.27	mg/Kg dry	1		SW-846 8270D	9/8/17	9/11/17 18:31	BGL
Dibenz(a,h)anthracene	ND	1.4	mg/Kg dry	5		SW-846 8270D	9/8/17	9/12/17 15:56	BGL
Fluoranthene	16	0.27	mg/Kg dry	1	E	SW-846 8270D	9/8/17	9/11/17 18:31	BGL
Fluoranthene	14	1.4	mg/Kg dry	5		SW-846 8270D	9/8/17	9/12/17 15:56	BGL
Fluorene	0.80	0.27	mg/Kg dry	1		SW-846 8270D	9/8/17	9/11/17 18:31	BGL
Fluorene	ND	1.4	mg/Kg dry	5		SW-846 8270D	9/8/17	9/12/17 15:56	BGL
Indeno(1,2,3-cd)pyrene	3.5	0.27	mg/Kg dry	1		SW-846 8270D	9/8/17	9/11/17 18:31	BGL
Indeno(1,2,3-cd)pyrene	2.8	1.4	mg/Kg dry	5		SW-846 8270D	9/8/17	9/12/17 15:56	BGL
2-Methylnaphthalene	1.0	0.27	mg/Kg dry	1		SW-846 8270D	9/8/17	9/11/17 18:31	BGL
2-Methylnaphthalene	ND	1.4	mg/Kg dry	5		SW-846 8270D	9/8/17	9/12/17 15:56	BGL
Naphthalene	1.8	0.27	mg/Kg dry	1		SW-846 8270D	9/8/17	9/11/17 18:31	BGL
Naphthalene	1.9	1.4	mg/Kg dry	5		SW-846 8270D	9/8/17	9/12/17 15:56	BGL
Phenanthrene	8.8	0.27	mg/Kg dry	1	E	SW-846 8270D	9/8/17	9/11/17 18:31	BGL
Phenanthrene	8.0	1.4	mg/Kg dry	5		SW-846 8270D	9/8/17	9/12/17 15:56	BGL
Pyrene	15	0.27	mg/Kg dry	1	E	SW-846 8270D	9/8/17	9/11/17 18:31	BGL
Pyrene	12	1.4	mg/Kg dry	5		SW-846 8270D	9/8/17	9/12/17 15:56	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual
Nitrobenzene-d5	44.5	30-130	9/11/17 18:31
Nitrobenzene-d5	45.7	30-130	9/12/17 15:56
2-Fluorobiphenyl	44.6	30-130	9/11/17 18:31
2-Fluorobiphenyl	46.8	30-130	9/12/17 15:56
p-Terphenyl-d14	54.0	30-130	9/11/17 18:31
p-Terphenyl-d14	50.4	30-130	9/12/17 15:56

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-SE-63

Sampled: 9/1/2017 09:30

Sample ID: 1710058-07

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	0.13	mg/Kg dry	4		SW-846 8082A	9/8/17	9/14/17 0:23	KAL
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/8/17	9/14/17 0:23	KAL
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/8/17	9/14/17 0:23	KAL
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/8/17	9/14/17 0:23	KAL
Aroclor-1248 [2]	0.23	0.13	mg/Kg dry	4		SW-846 8082A	9/8/17	9/14/17 0:23	KAL
Aroclor-1254 [2]	0.28	0.13	mg/Kg dry	4		SW-846 8082A	9/8/17	9/14/17 0:23	KAL
Aroclor-1260 [2]	0.21	0.13	mg/Kg dry	4		SW-846 8082A	9/8/17	9/14/17 0:23	KAL
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/8/17	9/14/17 0:23	KAL
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/8/17	9/14/17 0:23	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		82.0	30-150					9/14/17 0:23	
Decachlorobiphenyl [2]		121	30-150					9/14/17 0:23	
Tetrachloro-m-xylene [1]		87.3	30-150					9/14/17 0:23	
Tetrachloro-m-xylene [2]		82.1	30-150					9/14/17 0:23	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-SE-63

Sampled: 9/1/2017 09:30

Sample ID: 1710058-07

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	1300	160	mg/Kg dry	10		CTDEP ETPH	9/8/17	9/12/17 0:11	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		81.8	50-150					9/12/17 0:11	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-SE-63

Sampled: 9/1/2017 09:30

Sample ID: 1710058-07

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	62.9		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-CO-57

Sampled: 9/1/2017 08:35

Sample ID: 1710058-08

Sample Matrix: Product/Solid

Polychlorinated 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	9/8/17	9/14/17 15:03	TG
Aroclor-1221 [1]	ND	0.079	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:03	TG
Aroclor-1232 [1]	ND	0.079	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:03	TG
Aroclor-1242 [1]	ND	0.079	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:03	TG
Aroclor-1248 [1]	ND	0.079	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:03	TG
Aroclor-1254 [1]	ND	0.079	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:03	TG
Aroclor-1260 [1]	ND	0.079	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:03	TG
Aroclor-1262 [1]	ND	0.079	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:03	TG
Aroclor-1268 [1]	ND	0.079	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:03	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		68.5	30-150					9/14/17 15:03	
Decachlorobiphenyl [2]		67.4	30-150					9/14/17 15:03	
Tetrachloro-m-xylene [1]		82.7	30-150					9/14/17 15:03	
Tetrachloro-m-xylene [2]		86.0	30-150					9/14/17 15:03	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-CO-58

Sampled: 9/1/2017 08:45

Sample ID: 1710058-09

Sample Matrix: Product/Solid

Polychlorinated 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	9/8/17	9/14/17 15:16	TG
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:16	TG
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:16	TG
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:16	TG
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:16	TG
Aroclor-1254 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:16	TG
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:16	TG
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:16	TG
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:16	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		81.8	30-150					9/14/17 15:16	
Decachlorobiphenyl [2]		80.5	30-150					9/14/17 15:16	
Tetrachloro-m-xylene [1]		88.3	30-150					9/14/17 15:16	
Tetrachloro-m-xylene [2]		89.4	30-150					9/14/17 15:16	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-CO-59

Sampled: 9/1/2017 08:55

Sample ID: 1710058-10

Sample Matrix: Product/Solid

Sample Flags: DL-03

Polychlorinated 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	10		SW-846 8082A	9/8/17	9/14/17 15:28	TG
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 15:28	TG
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 15:28	TG
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 15:28	TG
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 15:28	TG
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 15:28	TG
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 15:28	TG
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 15:28	TG
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 15:28	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		80.0	30-150					9/14/17 15:28	
Decachlorobiphenyl [2]		94.1	30-150					9/14/17 15:28	
Tetrachloro-m-xylene [1]		86.4	30-150					9/14/17 15:28	
Tetrachloro-m-xylene [2]		90.6	30-150					9/14/17 15:28	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-CO-60

Sampled: 9/1/2017 09:05

Sample ID: 1710058-11

Sample Matrix: Product/Solid

Polychlorinated 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	9/8/17	9/14/17 15:41	TG
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:41	TG
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:41	TG
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:41	TG
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:41	TG
Aroclor-1254 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:41	TG
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:41	TG
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:41	TG
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:41	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		73.0	30-150					9/14/17 15:41	
Decachlorobiphenyl [2]		75.4	30-150					9/14/17 15:41	
Tetrachloro-m-xylene [1]		82.8	30-150					9/14/17 15:41	
Tetrachloro-m-xylene [2]		83.1	30-150					9/14/17 15:41	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-CO-61

Sampled: 9/1/2017 09:15

Sample ID: 1710058-12

Sample Matrix: Product/Solid

Polychlorinated 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	1		SW-846 8082A	9/8/17	9/14/17 15:54	TG
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:54	TG
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:54	TG
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:54	TG
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:54	TG
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:54	TG
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:54	TG
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:54	TG
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:54	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		54.8	30-150					9/14/17 15:54	
Decachlorobiphenyl [2]		55.2	30-150					9/14/17 15:54	
Tetrachloro-m-xylene [1]		66.8	30-150					9/14/17 15:54	
Tetrachloro-m-xylene [2]		69.5	30-150					9/14/17 15:54	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-CO-62

Sampled: 9/1/2017 09:25

Sample ID: 1710058-13

Sample Matrix: Product/Solid

Polychlorinated 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	1		SW-846 8082A	9/8/17	9/14/17 16:06	TG
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 16:06	TG
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 16:06	TG
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 16:06	TG
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 16:06	TG
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 16:06	TG
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 16:06	TG
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 16:06	TG
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 16:06	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		65.6	30-150					9/14/17 16:06	
Decachlorobiphenyl [2]		65.4	30-150					9/14/17 16:06	
Tetrachloro-m-xylene [1]		73.9	30-150					9/14/17 16:06	
Tetrachloro-m-xylene [2]		75.2	30-150					9/14/17 16:06	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-CO-63

Sampled: 9/1/2017 09:35

Sample ID: 1710058-14

Sample Matrix: Product/Solid

Polychlorinated 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	1		SW-846 8082A	9/8/17	9/14/17 16:19	TG
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 16:19	TG
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 16:19	TG
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 16:19	TG
Aroclor-1248 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 16:19	TG
Aroclor-1254 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 16:19	TG
Aroclor-1260 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 16:19	TG
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 16:19	TG
Aroclor-1268 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 16:19	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.9	30-150					9/14/17 16:19	
Decachlorobiphenyl [2]		82.4	30-150					9/14/17 16:19	
Tetrachloro-m-xylene [1]		85.2	30-150					9/14/17 16:19	
Tetrachloro-m-xylene [2]		85.7	30-150					9/14/17 16:19	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710058

Date Received: 9/1/2017

Field Sample #: Equipment Blank-59

Sampled: 9/1/2017 08:00

Sample ID: 1710058-15

Sample Matrix: Equipment Blank Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	9/8/17	9/11/17 15:30	CJM
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	9/8/17	9/11/17 15:30	CJM
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/8/17	9/11/17 15:30	CJM
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/8/17	9/11/17 15:30	CJM
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	9/8/17	9/11/17 15:30	CJM
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/8/17	9/11/17 15:30	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	9/8/17	9/11/17 15:30	CJM
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/8/17	9/11/17 15:30	CJM
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/8/17	9/11/17 15:30	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/8/17	9/11/17 15:30	CJM
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	9/8/17	9/11/17 15:30	CJM
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/8/17	9/11/17 15:30	CJM
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/8/17	9/11/17 15:30	CJM
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/8/17	9/11/17 15:30	CJM
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/8/17	9/11/17 15:30	CJM
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/8/17	9/11/17 15:30	CJM
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/8/17	9/11/17 15:30	CJM
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Nitrobenzene-d5		64.8	30-130					9/11/17 15:30	
2-Fluorobiphenyl		63.9	30-130					9/11/17 15:30	
p-Terphenyl-d14		52.4	30-130					9/11/17 15:30	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710058

Date Received: 9/1/2017

Field Sample #: Equipment Blank-59

Sampled: 9/1/2017 08:00

Sample ID: 1710058-15

Sample Matrix: Equipment Blank Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/8/17	9/13/17 1:40	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/8/17	9/13/17 1:40	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/8/17	9/13/17 1:40	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/8/17	9/13/17 1:40	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/8/17	9/13/17 1:40	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/8/17	9/13/17 1:40	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/8/17	9/13/17 1:40	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/8/17	9/13/17 1:40	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/8/17	9/13/17 1:40	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		67.8	30-150					9/13/17 1:40	
Decachlorobiphenyl [2]		72.7	30-150					9/13/17 1:40	
Tetrachloro-m-xylene [1]		67.1	30-150					9/13/17 1:40	
Tetrachloro-m-xylene [2]		68.5	30-150					9/13/17 1:40	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710058

Date Received: 9/1/2017

Field Sample #: Equipment Blank-59

Sampled: 9/1/2017 08:00

Sample ID: 1710058-15

Sample Matrix: Equipment Blank Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.075	mg/L	1		CTDEP ETPH	9/7/17	9/8/17 21:02	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		95.8	50-150					9/8/17 21:02	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710058

Date Received: 9/1/2017

Field Sample #: Equipment Blank-60

Sampled: 9/1/2017 08:15

Sample ID: 1710058-16

Sample Matrix: Equipment Blank Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/8/17	9/13/17 1:52	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/8/17	9/13/17 1:52	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/8/17	9/13/17 1:52	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/8/17	9/13/17 1:52	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/8/17	9/13/17 1:52	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/8/17	9/13/17 1:52	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/8/17	9/13/17 1:52	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/8/17	9/13/17 1:52	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/8/17	9/13/17 1:52	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		73.6	30-150					9/13/17 1:52	
Decachlorobiphenyl [2]		75.8	30-150					9/13/17 1:52	
Tetrachloro-m-xylene [1]		83.1	30-150					9/13/17 1:52	
Tetrachloro-m-xylene [2]		81.6	30-150					9/13/17 1:52	

Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0058-07 [WS-AOC14-SE-63]	B185825	30.0	1.00	09/08/17

Prep Method: SW-846 3510C-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17I0058-15 [Equipment Blank-59]	B185690	1000	1.00	09/07/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17I0058-01 [WS-AOC14-SE-57]	B185578	09/06/17
17I0058-02 [WS-AOC14-SE-58]	B185578	09/06/17
17I0058-03 [WS-AOC14-SE-59]	B185578	09/06/17
17I0058-04 [WS-AOC14-SE-60]	B185578	09/06/17
17I0058-05 [WS-AOC14-SE-61]	B185578	09/06/17
17I0058-06 [WS-AOC14-SE-62]	B185578	09/06/17
17I0058-07 [WS-AOC14-SE-63]	B185578	09/06/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0058-08 [WS-AOC14-CO-57]	B185833	2.52	10.0	09/08/17
17I0058-09 [WS-AOC14-CO-58]	B185833	2.09	10.0	09/08/17
17I0058-10 [WS-AOC14-CO-59]	B185833	2.02	10.0	09/08/17
17I0058-11 [WS-AOC14-CO-60]	B185833	2.09	10.0	09/08/17
17I0058-12 [WS-AOC14-CO-61]	B185833	2.19	10.0	09/08/17
17I0058-13 [WS-AOC14-CO-62]	B185833	2.03	10.0	09/08/17
17I0058-14 [WS-AOC14-CO-63]	B185833	2.16	10.0	09/08/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0058-01 [WS-AOC14-SE-57]	B185859	10.0	10.0	09/08/17
17I0058-02 [WS-AOC14-SE-58]	B185859	10.0	10.0	09/08/17
17I0058-03 [WS-AOC14-SE-59]	B185859	10.0	10.0	09/08/17
17I0058-04 [WS-AOC14-SE-60]	B185859	10.0	10.0	09/08/17
17I0058-05 [WS-AOC14-SE-61]	B185859	10.0	10.0	09/08/17
17I0058-06 [WS-AOC14-SE-62]	B185859	10.0	10.0	09/08/17
17I0058-07 [WS-AOC14-SE-63]	B185859	10.0	10.0	09/08/17

Prep Method: SW-846 3510C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17I0058-15 [Equipment Blank-59]	B185791	1000	10.0	09/08/17
17I0058-16 [Equipment Blank-60]	B185791	1000	10.0	09/08/17

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Sample Extraction Data

Prep Method: SW-846 3546-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0058-07 [WS-AOC14-SE-63]	B185827	30.0	1.00	09/08/17
17I0058-07RE1 [WS-AOC14-SE-63]	B185827	30.0	1.00	09/08/17

Prep Method: SW-846 3510C-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17I0058-15 [Equipment Blank-59]	B185792	1000	1.00	09/08/17

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

QUALITY CONTROL

Semivolatile 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 B185792 - SW-846 3510C

Blank (B185792-BLK1)

Prepared: 09/08/17 Analyzed: 09/11/17

Acenaphthene (SIM)	ND	0.30	µg/L							
Acenaphthylene (SIM)	ND	0.30	µg/L							
Anthracene (SIM)	ND	0.20	µg/L							
Benzo(a)anthracene (SIM)	ND	0.050	µg/L							
Benzo(a)pyrene (SIM)	ND	0.10	µg/L							
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L							
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L							
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L							
Chrysene (SIM)	ND	0.20	µg/L							
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L							
Fluoranthene (SIM)	ND	0.50	µg/L							
Fluorene (SIM)	ND	1.0	µg/L							
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L							
2-Methylnaphthalene (SIM)	ND	1.0	µg/L							
Naphthalene (SIM)	ND	1.0	µg/L							
Phenanthrene (SIM)	ND	0.050	µg/L							
Pyrene (SIM)	ND	1.0	µg/L							
Surrogate: Nitrobenzene-d5	70.8		µg/L	100		70.8	30-130			
Surrogate: 2-Fluorobiphenyl	71.7		µg/L	100		71.7	30-130			
Surrogate: p-Terphenyl-d14	62.0		µg/L	100		62.0	30-130			

LCS (B185792-BS1)

Prepared: 09/08/17 Analyzed: 09/11/17

Acenaphthene (SIM)	43.4	7.5	µg/L	50.0		86.8	40-140			
Acenaphthylene (SIM)	42.3	7.5	µg/L	50.0		84.6	40-140			
Anthracene (SIM)	45.3	5.0	µg/L	50.0		90.6	40-140			
Benzo(a)anthracene (SIM)	44.2	1.2	µg/L	50.0		88.4	40-140			
Benzo(a)pyrene (SIM)	47.2	2.5	µg/L	50.0		94.3	40-140			
Benzo(b)fluoranthene (SIM)	48.1	1.2	µg/L	50.0		96.2	40-140			
Benzo(g,h,i)perylene (SIM)	45.1	12	µg/L	50.0		90.2	40-140			
Benzo(k)fluoranthene (SIM)	46.8	5.0	µg/L	50.0		93.7	40-140			
Chrysene (SIM)	44.3	5.0	µg/L	50.0		88.6	40-140			
Dibenz(a,h)anthracene (SIM)	45.8	5.0	µg/L	50.0		91.6	40-140			
Fluoranthene (SIM)	45.0	12	µg/L	50.0		90.1	40-140			
Fluorene (SIM)	44.8	25	µg/L	50.0		89.5	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	45.4	5.0	µg/L	50.0		90.8	40-140			
2-Methylnaphthalene (SIM)	42.0	25	µg/L	50.0		84.0	40-140			
Naphthalene (SIM)	40.1	25	µg/L	50.0		80.2	40-140			
Phenanthrene (SIM)	44.3	1.2	µg/L	50.0		88.6	40-140			
Pyrene (SIM)	44.4	25	µg/L	50.0		88.8	40-140			
Surrogate: Nitrobenzene-d5	84.2		µg/L	100		84.2	30-130			
Surrogate: 2-Fluorobiphenyl	93.6		µg/L	100		93.6	30-130			
Surrogate: p-Terphenyl-d14	74.5		µg/L	100		74.5	30-130			

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QUALITY CONTROL

Semivolatile 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 B185792 - SW-846 3510C

LCS Dup (B185792-BSD1)

Prepared: 09/08/17 Analyzed: 09/11/17

Acenaphthene (SIM)	43.8	7.5	µg/L	50.0		87.6	40-140	0.974	20	
Acenaphthylene (SIM)	42.3	7.5	µg/L	50.0		84.6	40-140	0.00	20	
Anthracene (SIM)	46.4	5.0	µg/L	50.0		92.8	40-140	2.35	20	
Benzo(a)anthracene (SIM)	44.8	1.2	µg/L	50.0		89.6	40-140	1.40	20	
Benzo(a)pyrene (SIM)	47.8	2.5	µg/L	50.0		95.6	40-140	1.37	20	
Benzo(b)fluoranthene (SIM)	48.5	1.2	µg/L	50.0		97.0	40-140	0.880	20	
Benzo(g,h,i)perylene (SIM)	46.2	12	µg/L	50.0		92.5	40-140	2.46	20	
Benzo(k)fluoranthene (SIM)	47.2	5.0	µg/L	50.0		94.4	40-140	0.744	20	
Chrysene (SIM)	44.8	5.0	µg/L	50.0		89.6	40-140	1.23	20	
Dibenz(a,h)anthracene (SIM)	46.9	5.0	µg/L	50.0		93.8	40-140	2.32	20	
Fluoranthene (SIM)	46.6	12	µg/L	50.0		93.1	40-140	3.28	20	
Fluorene (SIM)	45.1	25	µg/L	50.0		90.2	40-140	0.779	20	
Indeno(1,2,3-cd)pyrene (SIM)	46.4	5.0	µg/L	50.0		92.7	40-140	2.07	20	‡
2-Methylnaphthalene (SIM)	42.0	25	µg/L	50.0		84.0	40-140	0.00	20	
Naphthalene (SIM)	40.3	25	µg/L	50.0		80.6	40-140	0.622	20	
Phenanthrene (SIM)	45.1	1.2	µg/L	50.0		90.2	40-140	1.73	20	
Pyrene (SIM)	44.1	25	µg/L	50.0		88.2	40-140	0.678	20	
Surrogate: Nitrobenzene-d5	82.6		µg/L	100		82.6	30-130			
Surrogate: 2-Fluorobiphenyl	93.7		µg/L	100		93.7	30-130			
Surrogate: p-Terphenyl-d14	74.4		µg/L	100		74.4	30-130			

Batch B185827 - SW-846 3546

Blank (B185827-BLK1)

Prepared: 09/08/17 Analyzed: 09/11/17

Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
Surrogate: Nitrobenzene-d5	2.30		mg/Kg wet	3.33		69.1	30-130			
Surrogate: 2-Fluorobiphenyl	2.30		mg/Kg wet	3.33		69.2	30-130			
Surrogate: p-Terphenyl-d14	3.12		mg/Kg wet	3.33		93.6	30-130			

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QUALITY CONTROL

Semivolatile 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 B185827 - SW-846 3546

LCS (B185827-BS1)

Prepared: 09/08/17 Analyzed: 09/11/17

Acenaphthene	1.01	0.17	mg/Kg wet	1.67		60.7	40-140			
Acenaphthylene	1.00	0.17	mg/Kg wet	1.67		60.1	40-140			
Anthracene	1.07	0.17	mg/Kg wet	1.67		64.2	40-140			
Benzo(a)anthracene	1.15	0.17	mg/Kg wet	1.67		69.0	40-140			
Benzo(a)pyrene	1.14	0.17	mg/Kg wet	1.67		68.5	40-140			
Benzo(b)fluoranthene	1.10	0.17	mg/Kg wet	1.67		65.9	40-140			
Benzo(g,h,i)perylene	1.17	0.17	mg/Kg wet	1.67		70.2	40-140			
Benzo(k)fluoranthene	1.11	0.17	mg/Kg wet	1.67		66.6	40-140			
Chrysene	1.07	0.17	mg/Kg wet	1.67		64.4	40-140			
Dibenz(a,h)anthracene	1.13	0.17	mg/Kg wet	1.67		67.5	40-140			
Fluoranthene	1.07	0.17	mg/Kg wet	1.67		64.4	40-140			
Fluorene	1.08	0.17	mg/Kg wet	1.67		64.5	40-140			
Indeno(1,2,3-cd)pyrene	1.16	0.17	mg/Kg wet	1.67		69.7	40-140			
2-Methylnaphthalene	1.16	0.17	mg/Kg wet	1.67		69.7	40-140			
Naphthalene	1.06	0.17	mg/Kg wet	1.67		63.7	40-140			
Phenanthrene	1.08	0.17	mg/Kg wet	1.67		65.1	40-140			
Pyrene	1.17	0.17	mg/Kg wet	1.67		70.3	40-140			
Surrogate: Nitrobenzene-d5	2.58		mg/Kg wet	3.33		77.3	30-130			
Surrogate: 2-Fluorobiphenyl	2.60		mg/Kg wet	3.33		77.9	30-130			
Surrogate: p-Terphenyl-d14	2.98		mg/Kg wet	3.33		89.3	30-130			

LCS Dup (B185827-BSD1)

Prepared: 09/08/17 Analyzed: 09/11/17

Acenaphthene	0.976	0.17	mg/Kg wet	1.67		58.6	40-140	3.55	30	
Acenaphthylene	0.972	0.17	mg/Kg wet	1.67		58.3	40-140	3.07	30	
Anthracene	1.04	0.17	mg/Kg wet	1.67		62.5	40-140	2.65	30	
Benzo(a)anthracene	1.11	0.17	mg/Kg wet	1.67		66.7	40-140	3.39	30	
Benzo(a)pyrene	1.10	0.17	mg/Kg wet	1.67		66.1	40-140	3.51	30	
Benzo(b)fluoranthene	1.05	0.17	mg/Kg wet	1.67		63.1	40-140	4.31	30	
Benzo(g,h,i)perylene	1.14	0.17	mg/Kg wet	1.67		68.6	40-140	2.39	30	
Benzo(k)fluoranthene	1.07	0.17	mg/Kg wet	1.67		64.2	40-140	3.73	30	
Chrysene	1.05	0.17	mg/Kg wet	1.67		62.7	40-140	2.64	30	
Dibenz(a,h)anthracene	1.12	0.17	mg/Kg wet	1.67		67.3	40-140	0.356	30	
Fluoranthene	1.07	0.17	mg/Kg wet	1.67		64.2	40-140	0.311	30	
Fluorene	1.03	0.17	mg/Kg wet	1.67		61.8	40-140	4.24	30	
Indeno(1,2,3-cd)pyrene	1.15	0.17	mg/Kg wet	1.67		69.0	40-140	1.01	30	
2-Methylnaphthalene	1.11	0.17	mg/Kg wet	1.67		66.6	40-140	4.61	30	
Naphthalene	1.00	0.17	mg/Kg wet	1.67		60.2	40-140	5.65	30	
Phenanthrene	1.05	0.17	mg/Kg wet	1.67		63.2	40-140	2.93	30	
Pyrene	1.13	0.17	mg/Kg wet	1.67		67.6	40-140	4.03	30	
Surrogate: Nitrobenzene-d5	2.45		mg/Kg wet	3.33		73.5	30-130			
Surrogate: 2-Fluorobiphenyl	2.49		mg/Kg wet	3.33		74.7	30-130			
Surrogate: p-Terphenyl-d14	2.88		mg/Kg wet	3.33		86.5	30-130			

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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
Batch B185791 - SW-846 3510C										
Blank (B185791-BLK1)										
Prepared: 09/08/17 Analyzed: 09/13/17										
Aroclor-1016	ND	0.20	µg/L							
Aroclor-1016 [2C]	ND	0.20	µg/L							
Aroclor-1221	ND	0.20	µg/L							
Aroclor-1221 [2C]	ND	0.20	µg/L							
Aroclor-1232	ND	0.20	µg/L							
Aroclor-1232 [2C]	ND	0.20	µg/L							
Aroclor-1242	ND	0.20	µg/L							
Aroclor-1242 [2C]	ND	0.20	µg/L							
Aroclor-1248	ND	0.20	µg/L							
Aroclor-1248 [2C]	ND	0.20	µg/L							
Aroclor-1254	ND	0.20	µg/L							
Aroclor-1254 [2C]	ND	0.20	µg/L							
Aroclor-1260	ND	0.20	µg/L							
Aroclor-1260 [2C]	ND	0.20	µg/L							
Aroclor-1262	ND	0.20	µg/L							
Aroclor-1262 [2C]	ND	0.20	µg/L							
Aroclor-1268	ND	0.20	µg/L							
Aroclor-1268 [2C]	ND	0.20	µg/L							
Surrogate: Decachlorobiphenyl	1.80		µg/L	2.00		90.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.79		µg/L	2.00		89.4	30-150			
Surrogate: Tetrachloro-m-xylene	1.84		µg/L	2.00		92.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.61		µg/L	2.00		80.7	30-150			
LCS (B185791-BS1)										
Prepared: 09/08/17 Analyzed: 09/13/17										
Aroclor-1016	0.44	0.20	µg/L	0.500		87.5	40-140			
Aroclor-1016 [2C]	0.55	0.20	µg/L	0.500		110	40-140			
Aroclor-1260	0.42	0.20	µg/L	0.500		84.3	40-140			
Aroclor-1260 [2C]	0.50	0.20	µg/L	0.500		99.3	40-140			V-06
Surrogate: Decachlorobiphenyl	1.89		µg/L	2.00		94.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.86		µg/L	2.00		93.0	30-150			
Surrogate: Tetrachloro-m-xylene	1.92		µg/L	2.00		96.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.65		µg/L	2.00		82.4	30-150			
LCS Dup (B185791-BSD1)										
Prepared: 09/08/17 Analyzed: 09/13/17										
Aroclor-1016	0.41	0.20	µg/L	0.500		81.4	40-140	7.20	20	
Aroclor-1016 [2C]	0.51	0.20	µg/L	0.500		103	40-140	6.78	20	
Aroclor-1260	0.38	0.20	µg/L	0.500		76.7	40-140	9.45	20	
Aroclor-1260 [2C]	0.45	0.20	µg/L	0.500		90.8	40-140	8.95	20	V-06
Surrogate: Decachlorobiphenyl	1.73		µg/L	2.00		86.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.72		µg/L	2.00		86.0	30-150			
Surrogate: Tetrachloro-m-xylene	1.73		µg/L	2.00		86.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.58		µg/L	2.00		79.0	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
Batch B185833 - SW-846 3540C										
Blank (B185833-BLK1)										
Prepared: 09/08/17 Analyzed: 09/14/17										
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	0.931		mg/Kg	1.00		93.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.892		mg/Kg	1.00		89.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.922		mg/Kg	1.00		92.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.926		mg/Kg	1.00		92.6	30-150			
LCS (B185833-BS1)										
Prepared: 09/08/17 Analyzed: 09/14/17										
Aroclor-1016	0.90	0.10	mg/Kg	1.00		89.7	40-140			
Aroclor-1016 [2C]	0.84	0.10	mg/Kg	1.00		83.7	40-140			
Aroclor-1260	0.83	0.10	mg/Kg	1.00		82.6	40-140			
Aroclor-1260 [2C]	0.75	0.10	mg/Kg	1.00		75.2	40-140			
Surrogate: Decachlorobiphenyl	0.962		mg/Kg	1.00		96.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.928		mg/Kg	1.00		92.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.915		mg/Kg	1.00		91.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.927		mg/Kg	1.00		92.7	30-150			
LCS Dup (B185833-BSD1)										
Prepared: 09/08/17 Analyzed: 09/14/17										
Aroclor-1016	0.92	0.10	mg/Kg	1.00		91.9	40-140	2.46	30	
Aroclor-1016 [2C]	0.88	0.10	mg/Kg	1.00		88.0	40-140	4.96	30	
Aroclor-1260	0.83	0.10	mg/Kg	1.00		82.6	40-140	0.0660	30	
Aroclor-1260 [2C]	0.76	0.10	mg/Kg	1.00		76.0	40-140	1.06	30	
Surrogate: Decachlorobiphenyl	0.960		mg/Kg	1.00		96.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.925		mg/Kg	1.00		92.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.904		mg/Kg	1.00		90.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.909		mg/Kg	1.00		90.9	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
Batch B185859 - SW-846 3540C										
Blank (B185859-BLK1)										
Prepared: 09/08/17 Analyzed: 09/13/17										
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	0.168		mg/Kg wet	0.200		84.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.155		mg/Kg wet	0.200		77.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.160		mg/Kg wet	0.200		80.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.139		mg/Kg wet	0.200		69.3	30-150			
LCS (B185859-BS1)										
Prepared: 09/08/17 Analyzed: 09/13/17										
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		82.8	40-140			
Aroclor-1016 [2C]	0.16	0.020	mg/Kg wet	0.200		79.4	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		77.8	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		77.7	40-140			
Surrogate: Decachlorobiphenyl	0.188		mg/Kg wet	0.200		93.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.171		mg/Kg wet	0.200		85.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.198		mg/Kg wet	0.200		99.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.150		mg/Kg wet	0.200		75.2	30-150			
LCS Dup (B185859-BSD1)										
Prepared: 09/08/17 Analyzed: 09/13/17										
Aroclor-1016	0.14	0.020	mg/Kg wet	0.200		69.0	40-140	18.2	30	
Aroclor-1016 [2C]	0.14	0.020	mg/Kg wet	0.200		68.4	40-140	14.8	30	
Aroclor-1260	0.13	0.020	mg/Kg wet	0.200		63.9	40-140	19.6	30	
Aroclor-1260 [2C]	0.13	0.020	mg/Kg wet	0.200		64.1	40-140	19.1	30	
Surrogate: Decachlorobiphenyl	0.149		mg/Kg wet	0.200		74.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.146		mg/Kg wet	0.200		73.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.160		mg/Kg wet	0.200		80.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.140		mg/Kg wet	0.200		69.9	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185690 - SW-846 3510C										
Blank (B185690-BLK1)										
Prepared: 09/07/17 Analyzed: 09/08/17										
CT ETPH	ND	0.075	mg/L							
Surrogate: o-Terphenyl	0.0970		mg/L	0.100		97.0	50-150			
LCS (B185690-BS1)										
Prepared: 09/07/17 Analyzed: 09/08/17										
CT ETPH	0.772	0.075	mg/L	1.00		77.2	60-120			
Surrogate: o-Terphenyl	0.0991		mg/L	0.100		99.1	50-150			
LCS Dup (B185690-BSD1)										
Prepared: 09/07/17 Analyzed: 09/08/17										
CT ETPH	0.750	0.075	mg/L	1.00		75.0	60-120	2.84	30	
Surrogate: o-Terphenyl	0.0956		mg/L	0.100		95.6	50-150			
Batch B185825 - SW-846 3546										
Blank (B185825-BLK1)										
Prepared: 09/08/17 Analyzed: 09/11/17										
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	2.79		mg/Kg wet	3.33		83.6	50-150			
LCS (B185825-BS1)										
Prepared: 09/08/17 Analyzed: 09/11/17										
CT ETPH	23.3	10	mg/Kg wet	33.3		70.0	60-120			
Surrogate: o-Terphenyl	2.74		mg/Kg wet	3.33		82.2	50-150			
LCS Dup (B185825-BSD1)										
Prepared: 09/08/17 Analyzed: 09/11/17										
CT ETPH	24.1	10	mg/Kg wet	33.3		72.4	60-120	3.33	30	
Surrogate: o-Terphenyl	2.81		mg/Kg wet	3.33		84.4	50-150			

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

WS-AOC14-SE-58

SW-846 8082A

Lab Sample ID: 1710058-02 Date(s) Analyzed: 09/13/2017 09/13/2017

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	0.13	16.7

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

WS-AOC14-SE-60

Lab Sample ID: 1710058-04 Date(s) Analyzed: 09/13/2017 09/13/2017

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	0.17	0.0

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

WS-AOC14-SE-61

Lab Sample ID: 17I0058-05 Date(s) Analyzed: 09/13/2017 09/13/2017

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-1248	1	0.000	-0.030	0.030	0.11	
	2	0.000	-0.030	0.030	0.12	8.7
Aroclor-1254	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	0.12	
	2	0.000	-0.030	0.030	0.14	15.4

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

WS-AOC14-SE-62

Lab Sample ID: 17I0058-06 Date(s) Analyzed: 09/14/2017 09/14/2017

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-1248	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.20	16.2
Aroclor-1254	1	0.000	-0.030	0.030	0.23	
	2	0.000	-0.030	0.030	0.27	16.0
Aroclor-1260	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**
SW-846 8082A

WS-AOC14-SE-63

Lab Sample ID: 17I0058-07 Date(s) Analyzed: 09/14/2017 09/14/2017

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-1248	1	0.000	-0.030	0.030	0.22	
	2	0.000	-0.030	0.030	0.23	4.4
Aroclor-1254	1	0.000	-0.030	0.030	0.23	
	2	0.000	-0.030	0.030	0.28	19.6
Aroclor-1260	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.21	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
DL	Method Detection Limit
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.
DL-03	Elevated reporting limit due to matrix.
E	Reported result is estimated. Value reported over verified calibration range.
O-03	Sample contains two incompletely resolved aroclors. Aroclor with the closest matching pattern is reported.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
CTDEP ETPH in Water	
CT ETPH	CT
SW-846 8082A in Product/Solid	
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
SW-846 8082A in Soil	
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
SW-846 8082A in Water	
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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Water</i>	
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
<i>SW-846 8270D in Soil</i>	
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA
Benzo(k)fluoranthene	CT,NY,NH,ME,NC,VA
Chrysene	CT,NY,NH,ME,NC,VA
Dibenz(a,h)anthracene	CT,NY,NH,ME,NC,VA
Fluoranthene	CT,NY,NH,ME,NC,VA
Fluorene	CT,NY,NH,ME,NC,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NH,ME,NC,VA
2-Methylnaphthalene	CT,NY,NH,ME,NC,VA
Naphthalene	CT,NY,NH,ME,NC,VA
Phenanthrene	CT,NY,NH,ME,NC,VA
Pyrene	CT,NY,NH,ME,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	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
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	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
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: Weston & Sampson Engineers
Address: 273 Dividend Rd Rocky Hill, CT
Phone: 860 513-1473
Project Name: English Station
Project Location: 510 Grand Ave, New Haven, CT
Project Number: 2170495
Project Manager: Malcolm Beeler
Con-Test Bid: Malcolm Beeler
Invoice Recipient: Malcolm Beeler (Weston & Sampson)
Sampled By: Chris Beeler/W/Will Sirotnak

Requested Turnaround Time:
 7-Day 10-Day
 Other: 5-day
Rush Approval Required:
 1-Day 3-Day
 2-Day 4-Day
Data Delivery:
 Format: PDF EXCEL
 Other:
 Enhanced Data Package Required:
 Email To: beelerm@wseinc.com
 Fax To #:

Con-Test Work-Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1	WS-AOC14-SE-57	9/1/17	830		X	S	U
2	WS-AOC14-SE-58		840				
3	WS-AOC14-SE-59		850				
4	WS-AOC14-SE-60		900				
5	WS-AOC14-SE-61		910				
6	WS-AOC14-SE-62		920				
7	WS-AOC14-SE-63		930				
8	WS-AOC14-Co-57		835				
9	WS-AOC14-Co-58		845				
10	WS-AOC14-Co-59		855				

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

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

Con-Test Work-Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	Analysis Requested
1	WS-AOC14-SE-57	9/1/17	830		X	S	U	PCBs (Soxlet), PAFs, TPH
2	WS-AOC14-SE-58		840					
3	WS-AOC14-SE-59		850					
4	WS-AOC14-SE-60		900					
5	WS-AOC14-SE-61		910					
6	WS-AOC14-SE-62		920					
7	WS-AOC14-SE-63		930					
8	WS-AOC14-Co-57		835					
9	WS-AOC14-Co-58		845					
10	WS-AOC14-Co-59		855					

Comments:
 Please hold excess volumes for possible SPLP 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

Program Information

MCP Analytical Certification Form Required
 RCP Analysis Certification Form Required
 MA State DW Form Required
 PWSID # _____

NECAC and AIHA-LAP, LLC Accredited

Turnaround Time (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

con-test
ANALYTICAL LABORATORY

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

Company Name: Weston & Sampson Engineers
Address: 273 Dividend Rd Rcoy Hill, CT
Phone: 860 513-1473
Project Name: English Station
Project Location: 510 Grand Ave, New Haven, CT
Project Number: 2170495
Project Manager: Malcolm Beeler
Con-Test Bid:
Invoice Recipient: Malcolm Beeler (Weston & Sampson)
Sampled By: Chris Beeler/Will Sirotnak

Requested Turnaround Time
7-Day 10-Day
Other: 5-Day
Rush-Approval Required
1-Day 3-Day
2-Day 4-Day
Data Delivery
Format: PDF EXCEL
Other:
Enhanced Data Package Required:
Email To: beelerm@wseinc.com
Fax To #:

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
11	WS-A0014-Co-60	9/1/17	9:05		X	0	✓
12	WS-A0014-Co-61		9:15		↓	↓	↓
13	WS-A0014-Co-62		9:25		↓	↓	↓
14	WS-A0014-Co-63		9:35		X	3	✓
15	Equipment Blank-59		0800		X	3	✓
16	Equipment Blank-60		0815		X	3	✓

Comments:
Please hold excess volumes for possible SPLP 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) [Signature] 9/1/17
Date/Time: 9/1/17

Received by: (signature) [Signature] 9/1/17 1411
Date/Time: 9/1/17 1510

Relinquished by: (signature) [Signature]
Date/Time: 9/1/17 3:20

Received by: (signature) [Signature] 9-1-17 4:50
Date/Time: 9/1/17 16:10

Relinquished by: (signature) [Signature]
Date/Time: 9/1/17 16:10

Relinquished by: (signature) [Signature]
Date/Time: 9/1/17 16:10

Program Information

MCP Analytical Certification Form Required
 RCP Analysis Certification Form Required
 MA State DW Form Required
PWSID # _____

RELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

of Containers

Preservation Code

Container Code

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/Solid
SL = Sludge
O = Other (please define)
Resus media

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)

39 Spruce St.
 East Longmeadow, MA. 01028
 P: 413-525-2332
 F: 413-525-6405
 www.contestlabs.com



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 Engineers

Received By WCG Date 9/1/17 Time 16:50

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

Were samples within Temperature? 2-6°C By Gun # 1 Actual Temp - 3.8°C
 By Blank # Actual Temp -

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A
 Was COC Relinquished? Does Chain Agree With Samples?

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

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

Did COC include all pertinent Information? Client Analysis Sampler Name
 Project ID's Collection Dates/Times

Are Sample labels filled out and legible?

Are there Lab to Filters? Who was notified?

Are there Rushes? Who was notified?

Are there Short Holds? Who was notified?

Is there enough Volume?

Is there Headspace where applicable?

Proper Media/Containers Used?

Were trip blanks received? N/A

Do all samples have the proper pH? Acid N/A Base N/A

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.	8	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:

D:\HPCHEM1\DATA\A091117\A0911006.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/11/17
 Data File Name A0911006.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	524328	554084	-5
c - 10	1.64	532804	554084	-4
c - 12	2.37	552317	554084	0
c - 14	3.04	566100	554084	2
c - 16	3.65	580624	554084	5
c - 18	4.29	575815	554084	4
o-Terphenyl	4.57	636260	554084	
c - 20	4.89	583143	554084	5
c - 22	5.39	592516	554084	7
c - 24	5.83	553643	554084	0
c - 26	6.23	583238	554084	5
c - 28	6.59	572763	554084	3
c - 30	6.92	554883	554084	0
c - 32	7.23	523847	554084	-5
c - 34	7.53	511661	554084	-8
c - 36	7.87	503585	554084	-9

* One compound allowed %D < /= 50%

Samples

1710043-04@10X

D:\HPCHEM\1\DATA\A090817\A0908022.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/8/17
 Data File Name A0908022.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	***D +/- 20
c - 9	1.29	481727	522771	-8
c - 10	1.64	490421	522771	-6
c - 12	2.37	509864	522771	-2
c - 14	3.04	523547	522771	0
c - 16	3.65	537626	522771	3
c - 18	4.29	533903	522771	2
o-Terphenyl	4.57	592385	522771	
c - 20	4.89	542364	522771	4
c - 22	5.39	553081	522771	6
c - 24	5.83	517523	522771	-1
c - 26	6.23	545373	522771	4
c - 28	6.59	537619	522771	3
c - 30	6.92	530058	522771	1
c - 32	7.24	513896	522771	-2
c - 34	7.53	512488	522771	-2
c - 36	7.88	512079	522771	-2

* One compound allowed %D <= 50%

Samples

1710043-01
 1710043-02
 1710043-03
 1710043-05

D:\HPCHEM\1\DATA\A090817.SEC\A0908023.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/8/17
 Data File Name A0908023.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	">%D +/- 20
c - 9	1.28	595189	627905	-5
c - 10	1.62	603227	627905	-4
c - 12	2.34	621946	627905	-1
c - 14	3.01	635030	627905	1
c - 16	3.61	650070	627905	4
c - 18	4.23	642037	627905	2
o-Terphenyl	4.51	713270	627905	
c - 20	4.83	648513	627905	3
c - 22	5.34	656041	627905	4
c - 24	5.77	610215	627905	-3
c - 26	6.16	640547	627905	2
c - 28	6.52	632830	627905	1
c - 30	6.85	628422	627905	0
c - 32	7.16	615507	627905	-2
c - 34	7.46	619124	627905	-1
c - 36	7.77	619880	627905	-1

* One compound allowed %D <= 50%

Samples

17H1621-24
 17I0058-15
 17I0065-01
 17I0066-03
 17H1066-03
 17H1066-02
 17H1066-03
 17H1066-04
 17H1066-05
 17H1643-01
 17H1643-01
 117I0028-01

D:\HPCHEM\1\DATA\A091117.SEC\A0911007.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/11/17
 Data File Name A0911007.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	***D +/- 20
c - 9	1.28	598919	619450	-3
c - 10	1.63	606630	619450	-2
c - 12	2.35	624726	619450	1
c - 14	3.01	638582	619450	3
c - 16	3.61	653643	619450	6
c - 18	4.23	645873	619450	4
o-Terphenyl	4.51	717552	619450	
c - 20	4.83	651457	619450	5
c - 22	5.34	658639	619450	6
c - 24	5.77	612116	619450	-1
c - 26	6.16	641867	619450	4
c - 28	6.52	630405	619450	2
c - 30	6.85	613103	619450	-1
c - 32	7.16	581090	619450	-6
c - 34	7.45	571374	619450	-8
c - 36	7.77	563330	619450	-9

* One compound allowed %D <= 50%

Samples

17H1658-02
 17H1658-03

D:\HPCHEM\1\DATA\A091117.SEC\A0911061.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/11/17
 Data File Name A0911061.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	***D +/- 20
c - 9	1.28	612985	629018	-3
c - 10	1.63	621912	629018	-1
c - 12	2.35	638923	629018	2
c - 14	3.01	649701	629018	3
c - 16	3.61	662581	629018	5
c - 18	4.23	653072	629018	4
o-Terphenyl	4.51	724686	629018	
c - 20	4.83	659129	629018	5
c - 22	5.34	665621	629018	6
c - 24	5.77	618003	629018	-2
c - 26	6.16	647801	629018	3
c - 28	6.52	636949	629018	1
c - 30	6.85	621308	629018	-1
c - 32	7.16	592505	629018	-6
c - 34	7.46	581731	629018	-8
c - 36	7.77	573055	629018	-9

* One compound allowed %D <= 50%

Samples

17I0058-07@10X



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: 510 Grand Ave., New Haven, CT

Project Number: 1710058

Laboratory Sample ID(s):

Sample Date(s):

1710058-01 thru 1710058-16

09/01/2017

List RCP Methods Used:

CTDEP ETPH, SW-846 8082A, SW-846 8270D

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 checked="" type="checkbox"/> Yes <input 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 type="checkbox"/> Yes <input checked="" 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."

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 Worthington

Position: Project Manager

Printed Name: Lisa A. Worthington

Date: 09/15/17

Name of Laboratory: Con-Test Analytical Laboratory

This certification form is to be used for RCP methods only.

September 18, 2017

Malcolm Beeler
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: 510 Grand Ave., New Haven, CT
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17I0112

Enclosed are results of analyses for samples received by the laboratory on September 5, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



James M. Georgantas
Project Manager

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

Weston & Sampson
 273 Dividend Road
 Rocky Hill, CT 06067
 ATTN: Malcolm Beeler

REPORT DATE: 9/18/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 1710112

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

PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC12E-SO-5-1	1710112-01	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC12E-SO-5-2	1710112-02	Soil		SM 2540G SW-846 8082A	
WS-AOC12E-SO-17-1	1710112-03	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC12E-SO-17-2	1710112-04	Soil		SM 2540G SW-846 8082A	
WS-AOC12E-SO-17-3	1710112-05	Soil		SM 2540G SW-846 8082A	
WS-AOC12E-SO-35-1	1710112-06	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC12E-SO-35-2	1710112-07	Soil		SM 2540G SW-846 8082A SW-846 8270D	
WS-AOC12E-SO-35-3	1710112-08	Soil		SM 2540G SW-846 8082A	
WS-AOC12E-SO-21-1	1710112-09	Soil		SM 2540G SW-846 8082A SW-846 8270D	
WS-AOC12E-SO-21-2	1710112-10	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC12E-SO-21-3	1710112-11	Soil		SM 2540G SW-846 8082A	
WS-AOC12E-SO-25-1	1710112-12	Soil		SM 2540G SW-846 8082A	
WS-AOC12E-SO-25-2	1710112-13	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC12E-SO-25-3	1710112-14	Soil		SM 2540G SW-846 8082A	
WS-AOC15-SO-1-1	1710112-15	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC15-SO-1-2	1710112-16	Soil		SM 2540G SW-846 8082A	

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 ATTN: Malcolm Beeler

REPORT DATE: 9/18/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 1710112

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

PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC15-SO-1-3	1710112-17	Soil		SM 2540G SW-846 8082A	
WS-AOC12E-SO-42-1	1710112-18	Soil		SM 2540G SW-846 8082A	
WS-AOC12E-SO-42-2	1710112-19	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC12E-SO-42-3	1710112-20	Soil		SM 2540G SW-846 8082A	
WS-AOC12E-SO-Dup47	1710112-21	Soil		SM 2540G SW-846 8082A	
Equipment Blank - 61	1710112-22	Equipment Blank Water		CTDEP ETPH SW-846 8082A SW-846 8270D	
Equipment Blank - 62	1710112-23	Equipment Blank Water		CTDEP ETPH SW-846 8082A SW-846 8270D	

CASE NARRATIVE SUMMARY

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

For method 8270, only PAHs were requested and reported.

CTDEP ETPH**Qualifications:****MS-07A**

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery.

Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

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

1710112-03[WS-AOC12E-SO-17-1], B185921-MS1, B185921-MSD1

SW-846 8270D**Qualifications:****RL-12**

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

1710112-07[WS-AOC12E-SO-35-2]

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: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-5-1

Sampled: 9/5/2017 13:30

Sample ID: 1710112-01

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	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:07	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:07	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:07	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:07	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:07	JMB
Aroclor-1254 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:07	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:07	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:07	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:07	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		95.4	30-150					9/16/17 14:07	
Decachlorobiphenyl [2]		110	30-150					9/16/17 14:07	
Tetrachloro-m-xylene [1]		95.8	30-150					9/16/17 14:07	
Tetrachloro-m-xylene [2]		91.5	30-150					9/16/17 14:07	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-5-1

Sampled: 9/5/2017 13:30

Sample ID: 1710112-01

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	110	12	mg/Kg dry	1		CTDEP ETPH	9/11/17	9/12/17 23:59	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		86.3	50-150					9/12/17 23:59	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-5-1

Sampled: 9/5/2017 13:30

Sample ID: 1710112-01

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	81.9		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-5-2

Sampled: 9/5/2017 13:31

Sample ID: 1710112-02

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	0.096	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:24	JMB
Aroclor-1221 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:24	JMB
Aroclor-1232 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:24	JMB
Aroclor-1242 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:24	JMB
Aroclor-1248 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:24	JMB
Aroclor-1254 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:24	JMB
Aroclor-1260 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:24	JMB
Aroclor-1262 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:24	JMB
Aroclor-1268 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:24	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		93.2	30-150					9/16/17 14:24	
Decachlorobiphenyl [2]		103	30-150					9/16/17 14:24	
Tetrachloro-m-xylene [1]		95.4	30-150					9/16/17 14:24	
Tetrachloro-m-xylene [2]		96.1	30-150					9/16/17 14:24	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-5-2

Sampled: 9/5/2017 13:31

Sample ID: 1710112-02

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	83.0		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-17-1

Sampled: 9/5/2017 13:40

Sample ID: 1710112-03

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	9/10/17	9/16/17 14:42	JMB
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:42	JMB
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:42	JMB
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:42	JMB
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:42	JMB
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:42	JMB
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:42	JMB
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:42	JMB
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:42	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		91.2	30-150					9/16/17 14:42	
Decachlorobiphenyl [2]		100	30-150					9/16/17 14:42	
Tetrachloro-m-xylene [1]		94.2	30-150					9/16/17 14:42	
Tetrachloro-m-xylene [2]		95.9	30-150					9/16/17 14:42	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-17-1

Sampled: 9/5/2017 13:40

Sample ID: 1710112-03

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	260	56	mg/Kg dry	5	MS-07A	CTDEP ETPH	9/11/17	9/12/17 21:20	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		69.1	50-150					9/12/17 21:20	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-17-1

Sampled: 9/5/2017 13:40

Sample ID: 1710112-03

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	89.3		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-17-2

Sampled: 9/5/2017 13:41

Sample ID: 1710112-04

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	9/10/17	9/16/17 14:59	JMB
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:59	JMB
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:59	JMB
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:59	JMB
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:59	JMB
Aroclor-1254 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:59	JMB
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:59	JMB
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:59	JMB
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:59	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		91.2	30-150					9/16/17 14:59	
Decachlorobiphenyl [2]		105	30-150					9/16/17 14:59	
Tetrachloro-m-xylene [1]		91.1	30-150					9/16/17 14:59	
Tetrachloro-m-xylene [2]		95.1	30-150					9/16/17 14:59	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-17-2

Sampled: 9/5/2017 13:41

Sample ID: 1710112-04

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	85.9		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-17-3

Sampled: 9/5/2017 13:42

Sample ID: 1710112-05

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	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:17	JMB
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:17	JMB
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:17	JMB
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:17	JMB
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:17	JMB
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:17	JMB
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:17	JMB
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:17	JMB
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:17	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		100	30-150					9/16/17 15:17	
Decachlorobiphenyl [2]		112	30-150					9/16/17 15:17	
Tetrachloro-m-xylene [1]		100	30-150					9/16/17 15:17	
Tetrachloro-m-xylene [2]		106	30-150					9/16/17 15:17	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-17-3

Sampled: 9/5/2017 13:42

Sample ID: 1710112-05

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	87.9		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-35-1

Sampled: 9/5/2017 14:03

Sample ID: 1710112-06

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	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:34	JMB
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:34	JMB
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:34	JMB
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:34	JMB
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:34	JMB
Aroclor-1254 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:34	JMB
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:34	JMB
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:34	JMB
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:34	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		77.6	30-150					9/16/17 15:34	
Decachlorobiphenyl [2]		88.3	30-150					9/16/17 15:34	
Tetrachloro-m-xylene [1]		84.8	30-150					9/16/17 15:34	
Tetrachloro-m-xylene [2]		84.3	30-150					9/16/17 15:34	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-35-1

Sampled: 9/5/2017 14:03

Sample ID: 1710112-06

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	1100	240	mg/Kg dry	10		CTDEP ETPH	9/11/17	9/12/17 21:02	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		62.2	50-150					9/12/17 21:02	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-35-1

Sampled: 9/5/2017 14:03

Sample ID: 1710112-06

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	84.2		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-35-2

Sampled: 9/5/2017 14:04

Sample ID: 1710112-07

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Acenaphthylene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Anthracene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Benzo(a)anthracene	0.39	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Benzo(a)pyrene	0.40	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Benzo(b)fluoranthene	0.49	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Benzo(g,h,i)perylene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Benzo(k)fluoranthene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Chrysene	0.40	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Dibenz(a,h)anthracene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Fluoranthene	0.68	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Fluorene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Indeno(1,2,3-cd)pyrene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
2-Methylnaphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Naphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Phenanthrene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Pyrene	0.67	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Nitrobenzene-d5		35.1	30-130					9/12/17 17:56	
2-Fluorobiphenyl		37.6	30-130					9/12/17 17:56	
p-Terphenyl-d14		42.2	30-130					9/12/17 17:56	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-35-2

Sampled: 9/5/2017 14:04

Sample ID: 1710112-07

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	9/10/17	9/16/17 15:52	JMB
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:52	JMB
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:52	JMB
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:52	JMB
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:52	JMB
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:52	JMB
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:52	JMB
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:52	JMB
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:52	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		76.8	30-150					9/16/17 15:52	
Decachlorobiphenyl [2]		86.7	30-150					9/16/17 15:52	
Tetrachloro-m-xylene [1]		88.2	30-150					9/16/17 15:52	
Tetrachloro-m-xylene [2]		92.2	30-150					9/16/17 15:52	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-35-2

Sampled: 9/5/2017 14:04

Sample ID: 1710112-07

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	90.4		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-35-3

Sampled: 9/5/2017 14:05

Sample ID: 1710112-08

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	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:09	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:09	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:09	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:09	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:09	JMB
Aroclor-1254 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:09	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:09	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:09	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:09	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		78.4	30-150					9/16/17 16:09	
Decachlorobiphenyl [2]		86.1	30-150					9/16/17 16:09	
Tetrachloro-m-xylene [1]		89.1	30-150					9/16/17 16:09	
Tetrachloro-m-xylene [2]		100	30-150					9/16/17 16:09	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-35-3

Sampled: 9/5/2017 14:05

Sample ID: 1710112-08

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	83.9		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-21-1

Sampled: 9/5/2017 14:00

Sample ID: 1710112-09

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Benzo(a)anthracene	0.32	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Benzo(a)pyrene	0.27	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Benzo(b)fluoranthene	0.41	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Benzo(g,h,i)perylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Benzo(k)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Chrysene	0.45	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Fluoranthene	0.68	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Indeno(1,2,3-cd)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Phenanthrene	0.47	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Pyrene	0.56	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Nitrobenzene-d5		44.9	30-130					9/12/17 18:24	
2-Fluorobiphenyl		53.0	30-130					9/12/17 18:24	
p-Terphenyl-d14		60.1	30-130					9/12/17 18:24	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-21-1

Sampled: 9/5/2017 14:00

Sample ID: 1710112-09

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	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:27	JMB
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:27	JMB
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:27	JMB
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:27	JMB
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:27	JMB
Aroclor-1254 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:27	JMB
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:27	JMB
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:27	JMB
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:27	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		78.2	30-150					9/16/17 16:27	
Decachlorobiphenyl [2]		84.8	30-150					9/16/17 16:27	
Tetrachloro-m-xylene [1]		86.6	30-150					9/16/17 16:27	
Tetrachloro-m-xylene [2]		91.5	30-150					9/16/17 16:27	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-21-1

Sampled: 9/5/2017 14:00

Sample ID: 1710112-09

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	83.3		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-21-2

Sampled: 9/5/2017 14:01

Sample ID: 1710112-10

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	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:32	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:32	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:32	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:32	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:32	JMB
Aroclor-1254 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:32	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:32	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:32	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:32	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		90.5	30-150					9/16/17 17:32	
Decachlorobiphenyl [2]		99.8	30-150					9/16/17 17:32	
Tetrachloro-m-xylene [1]		94.4	30-150					9/16/17 17:32	
Tetrachloro-m-xylene [2]		100	30-150					9/16/17 17:32	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-21-2

Sampled: 9/5/2017 14:01

Sample ID: 1710112-10

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	200	62	mg/Kg dry	5		CTDEP ETPH	9/11/17	9/12/17 22:13	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		92.9	50-150					9/12/17 22:13	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-21-2

Sampled: 9/5/2017 14:01

Sample ID: 1710112-10

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	80.8		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-21-3

Sampled: 9/5/2017 14:02

Sample ID: 1710112-11

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	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:49	JMB
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:49	JMB
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:49	JMB
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:49	JMB
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:49	JMB
Aroclor-1254 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:49	JMB
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:49	JMB
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:49	JMB
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:49	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		86.2	30-150					9/16/17 17:49	
Decachlorobiphenyl [2]		92.2	30-150					9/16/17 17:49	
Tetrachloro-m-xylene [1]		89.8	30-150					9/16/17 17:49	
Tetrachloro-m-xylene [2]		92.4	30-150					9/16/17 17:49	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-21-3

Sampled: 9/5/2017 14:02

Sample ID: 1710112-11

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	83.2		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-25-1

Sampled: 9/5/2017 14:14

Sample ID: 1710112-12

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	9/10/17	9/16/17 18:07	JMB
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:07	JMB
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:07	JMB
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:07	JMB
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:07	JMB
Aroclor-1254 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:07	JMB
Aroclor-1260 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:07	JMB
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:07	JMB
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:07	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		95.6	30-150					9/16/17 18:07	
Decachlorobiphenyl [2]		102	30-150					9/16/17 18:07	
Tetrachloro-m-xylene [1]		110	30-150					9/16/17 18:07	
Tetrachloro-m-xylene [2]		118	30-150					9/16/17 18:07	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-25-1

Sampled: 9/5/2017 14:14

Sample ID: 1710112-12

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	93.6		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-25-2

Sampled: 9/5/2017 14:15

Sample ID: 1710112-13

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	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:24	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:24	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:24	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:24	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:24	JMB
Aroclor-1254 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:24	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:24	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:24	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:24	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		88.4	30-150					9/16/17 18:24	
Decachlorobiphenyl [2]		94.8	30-150					9/16/17 18:24	
Tetrachloro-m-xylene [1]		96.3	30-150					9/16/17 18:24	
Tetrachloro-m-xylene [2]		107	30-150					9/16/17 18:24	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-25-2

Sampled: 9/5/2017 14:15

Sample ID: 1710112-13

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	23	12	mg/Kg dry	1		CTDEP ETPH	9/11/17	9/12/17 18:57	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		82.0	50-150					9/12/17 18:57	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-25-2

Sampled: 9/5/2017 14:15

Sample ID: 1710112-13

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	81.8		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-25-3

Sampled: 9/5/2017 14:16

Sample ID: 1710112-14

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	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:42	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:42	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:42	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:42	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:42	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:42	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:42	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:42	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:42	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		85.4	30-150					9/16/17 18:42	
Decachlorobiphenyl [2]		94.3	30-150					9/16/17 18:42	
Tetrachloro-m-xylene [1]		87.7	30-150					9/16/17 18:42	
Tetrachloro-m-xylene [2]		93.1	30-150					9/16/17 18:42	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-25-3

Sampled: 9/5/2017 14:16

Sample ID: 1710112-14

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	72.8		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC15-SO-1-1

Sampled: 9/5/2017 14:27

Sample ID: 1710112-15

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	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:59	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:59	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:59	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:59	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:59	JMB
Aroclor-1254 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:59	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:59	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:59	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:59	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		88.4	30-150					9/16/17 18:59	
Decachlorobiphenyl [2]		98.6	30-150					9/16/17 18:59	
Tetrachloro-m-xylene [1]		95.9	30-150					9/16/17 18:59	
Tetrachloro-m-xylene [2]		102	30-150					9/16/17 18:59	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC15-SO-1-1

Sampled: 9/5/2017 14:27

Sample ID: 1710112-15

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	220	120	mg/Kg dry	10		CTDEP ETPH	9/11/17	9/12/17 22:31	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		51.4	50-150					9/12/17 22:31	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC15-SO-1-1

Sampled: 9/5/2017 14:27

Sample ID: 1710112-15

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	83.7		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC15-SO-1-2

Sampled: 9/5/2017 14:28

Sample ID: 1710112-16

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	0.099	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:16	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:16	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:16	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:16	JMB
Aroclor-1248 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:16	JMB
Aroclor-1254 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:16	JMB
Aroclor-1260 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:16	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:16	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:16	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		86.9	30-150					9/16/17 19:16	
Decachlorobiphenyl [2]		102	30-150					9/16/17 19:16	
Tetrachloro-m-xylene [1]		94.2	30-150					9/16/17 19:16	
Tetrachloro-m-xylene [2]		89.6	30-150					9/16/17 19:16	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC15-SO-1-2

Sampled: 9/5/2017 14:28

Sample ID: 1710112-16

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	80.8		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC15-SO-1-3

Sampled: 9/5/2017 14:29

Sample ID: 1710112-17

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	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:34	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:34	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:34	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:34	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:34	JMB
Aroclor-1254 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:34	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:34	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:34	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:34	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		74.4	30-150					9/16/17 19:34	
Decachlorobiphenyl [2]		80.4	30-150					9/16/17 19:34	
Tetrachloro-m-xylene [1]		80.3	30-150					9/16/17 19:34	
Tetrachloro-m-xylene [2]		85.3	30-150					9/16/17 19:34	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC15-SO-1-3

Sampled: 9/5/2017 14:29

Sample ID: 1710112-17

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	82.6		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-42-1

Sampled: 9/5/2017 14:59

Sample ID: 1710112-18

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	9/10/17	9/16/17 19:51	JMB
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:51	JMB
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:51	JMB
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:51	JMB
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:51	JMB
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:51	JMB
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:51	JMB
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:51	JMB
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:51	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		82.7	30-150					9/16/17 19:51	
Decachlorobiphenyl [2]		89.4	30-150					9/16/17 19:51	
Tetrachloro-m-xylene [1]		92.2	30-150					9/16/17 19:51	
Tetrachloro-m-xylene [2]		93.5	30-150					9/16/17 19:51	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-42-1

Sampled: 9/5/2017 14:59

Sample ID: 1710112-18

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	93.6		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-42-2

Sampled: 9/5/2017 15:00

Sample ID: 1710112-19

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	9/10/17	9/16/17 20:09	JMB
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:09	JMB
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:09	JMB
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:09	JMB
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:09	JMB
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:09	JMB
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:09	JMB
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:09	JMB
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:09	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		62.7	30-150					9/16/17 20:09	
Decachlorobiphenyl [2]		67.8	30-150					9/16/17 20:09	
Tetrachloro-m-xylene [1]		81.2	30-150					9/16/17 20:09	
Tetrachloro-m-xylene [2]		96.9	30-150					9/16/17 20:09	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-42-2

Sampled: 9/5/2017 15:00

Sample ID: 1710112-19

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	120	110	mg/Kg dry	10		CTDEP ETPH	9/11/17	9/12/17 22:48	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		88.4	50-150					9/12/17 22:48	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-42-2

Sampled: 9/5/2017 15:00

Sample ID: 1710112-19

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	93.0		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-42-3

Sampled: 9/5/2017 15:01

Sample ID: 1710112-20

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	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:26	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:26	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:26	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:26	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:26	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:26	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:26	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:26	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:26	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		58.9	30-150					9/16/17 20:26	
Decachlorobiphenyl [2]		64.4	30-150					9/16/17 20:26	
Tetrachloro-m-xylene [1]		70.4	30-150					9/16/17 20:26	
Tetrachloro-m-xylene [2]		65.6	30-150					9/16/17 20:26	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-42-3

Sampled: 9/5/2017 15:01

Sample ID: 1710112-20

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	75.4		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-Dup47

Sampled: 9/5/2017 00:00

Sample ID: 1710112-21

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	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/11/17 18:49	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/11/17 18:49	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/11/17 18:49	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/11/17 18:49	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/11/17 18:49	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/11/17 18:49	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/11/17 18:49	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/11/17 18:49	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/11/17 18:49	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		73.6	30-150					9/11/17 18:49	
Decachlorobiphenyl [2]		89.8	30-150					9/11/17 18:49	
Tetrachloro-m-xylene [1]		83.6	30-150					9/11/17 18:49	
Tetrachloro-m-xylene [2]		77.2	30-150					9/11/17 18:49	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-Dup47

Sampled: 9/5/2017 00:00

Sample ID: 1710112-21

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	76.9		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: Equipment Blank - 61

Sampled: 9/5/2017 12:00

Sample ID: 1710112-22

Sample Matrix: Equipment Blank Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Nitrobenzene-d5		85.5	30-130					9/14/17 17:06	
2-Fluorobiphenyl		80.0	30-130					9/14/17 17:06	
p-Terphenyl-d14		80.2	30-130					9/14/17 17:06	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: Equipment Blank - 61

Sampled: 9/5/2017 12:00

Sample ID: 1710112-22

Sample Matrix: Equipment Blank Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:16	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:16	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:16	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:16	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:16	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:16	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:16	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:16	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:16	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		74.3	30-150					9/14/17 17:16	
Decachlorobiphenyl [2]		74.0	30-150					9/14/17 17:16	
Tetrachloro-m-xylene [1]		95.5	30-150					9/14/17 17:16	
Tetrachloro-m-xylene [2]		79.0	30-150					9/14/17 17:16	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: Equipment Blank - 61

Sampled: 9/5/2017 12:00

Sample ID: 1710112-22

Sample Matrix: Equipment Blank Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.075	mg/L	1		CTDEP ETPH	9/11/17	9/12/17 21:02	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		73.7	50-150					9/12/17 21:02	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: Equipment Blank - 62

Sampled: 9/5/2017 12:20

Sample ID: 1710112-23

Sample Matrix: Equipment Blank Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Nitrobenzene-d5		86.7	30-130					9/14/17 17:35	
2-Fluorobiphenyl		83.4	30-130					9/14/17 17:35	
p-Terphenyl-d14		81.6	30-130					9/14/17 17:35	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: Equipment Blank - 62

Sampled: 9/5/2017 12:20

Sample ID: 1710112-23

Sample Matrix: Equipment Blank Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:28	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:28	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:28	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:28	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:28	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:28	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:28	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:28	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:28	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.5	30-150					9/14/17 17:28	
Decachlorobiphenyl [2]		79.1	30-150					9/14/17 17:28	
Tetrachloro-m-xylene [1]		104	30-150					9/14/17 17:28	
Tetrachloro-m-xylene [2]		79.6	30-150					9/14/17 17:28	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: Equipment Blank - 62

Sampled: 9/5/2017 12:20

Sample ID: 1710112-23

Sample Matrix: Equipment Blank Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.075	mg/L	1		CTDEP ETPH	9/11/17	9/12/17 21:20	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		81.8	50-150					9/12/17 21:20	

Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0112-01 [WS-AOC12E-SO-5-1]	B185921	30.0	1.00	09/11/17
17I0112-03 [WS-AOC12E-SO-17-1]	B185921	30.0	1.00	09/11/17
17I0112-06 [WS-AOC12E-SO-35-1]	B185921	30.0	2.00	09/11/17
17I0112-10 [WS-AOC12E-SO-21-2]	B185921	30.0	1.00	09/11/17
17I0112-13 [WS-AOC12E-SO-25-2]	B185921	30.0	1.00	09/11/17
17I0112-15 [WS-AOC15-SO-1-1]	B185921	30.0	1.00	09/11/17
17I0112-19 [WS-AOC12E-SO-42-2]	B185921	30.0	1.00	09/11/17

Prep Method: SW-846 3510C-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17I0112-22 [Equipment Blank - 61]	B185892	1000	1.00	09/11/17
17I0112-23 [Equipment Blank - 62]	B185892	1000	1.00	09/11/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17I0112-01 [WS-AOC12E-SO-5-1]	B185594	09/06/17
17I0112-02 [WS-AOC12E-SO-5-2]	B185594	09/06/17
17I0112-03 [WS-AOC12E-SO-17-1]	B185594	09/06/17
17I0112-04 [WS-AOC12E-SO-17-2]	B185594	09/06/17
17I0112-05 [WS-AOC12E-SO-17-3]	B185594	09/06/17
17I0112-06 [WS-AOC12E-SO-35-1]	B185594	09/06/17
17I0112-07 [WS-AOC12E-SO-35-2]	B185594	09/06/17
17I0112-08 [WS-AOC12E-SO-35-3]	B185594	09/06/17
17I0112-09 [WS-AOC12E-SO-21-1]	B185594	09/06/17
17I0112-10 [WS-AOC12E-SO-21-2]	B185594	09/06/17
17I0112-11 [WS-AOC12E-SO-21-3]	B185594	09/06/17
17I0112-12 [WS-AOC12E-SO-25-1]	B185594	09/06/17
17I0112-13 [WS-AOC12E-SO-25-2]	B185594	09/06/17
17I0112-14 [WS-AOC12E-SO-25-3]	B185594	09/06/17
17I0112-15 [WS-AOC15-SO-1-1]	B185594	09/06/17
17I0112-16 [WS-AOC15-SO-1-2]	B185594	09/06/17
17I0112-17 [WS-AOC15-SO-1-3]	B185594	09/06/17
17I0112-18 [WS-AOC12E-SO-42-1]	B185594	09/06/17
17I0112-19 [WS-AOC12E-SO-42-2]	B185594	09/06/17
17I0112-20 [WS-AOC12E-SO-42-3]	B185594	09/06/17
17I0112-21 [WS-AOC12E-SO-Dup47]	B185594	09/06/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0112-21 [WS-AOC12E-SO-Dup47]	B185830	10.0	10.0	09/08/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0112-01 [WS-AOC12E-SO-5-1]	B185867	10.0	10.0	09/10/17
17I0112-02 [WS-AOC12E-SO-5-2]	B185867	10.0	10.0	09/10/17
17I0112-03 [WS-AOC12E-SO-17-1]	B185867	10.0	10.0	09/10/17

Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0112-04 [WS-AOC12E-SO-17-2]	B185867	10.0	10.0	09/10/17
17I0112-05 [WS-AOC12E-SO-17-3]	B185867	10.1	10.0	09/10/17
17I0112-06 [WS-AOC12E-SO-35-1]	B185867	10.1	10.0	09/10/17
17I0112-07 [WS-AOC12E-SO-35-2]	B185867	10.1	10.0	09/10/17
17I0112-08 [WS-AOC12E-SO-35-3]	B185867	10.0	10.0	09/10/17
17I0112-09 [WS-AOC12E-SO-21-1]	B185867	10.2	10.0	09/10/17
17I0112-10 [WS-AOC12E-SO-21-2]	B185867	10.2	10.0	09/10/17
17I0112-11 [WS-AOC12E-SO-21-3]	B185867	10.2	10.0	09/10/17
17I0112-12 [WS-AOC12E-SO-25-1]	B185867	10.4	10.0	09/10/17
17I0112-13 [WS-AOC12E-SO-25-2]	B185867	10.0	10.0	09/10/17
17I0112-14 [WS-AOC12E-SO-25-3]	B185867	10.5	10.0	09/10/17
17I0112-15 [WS-AOC15-SO-1-1]	B185867	10.1	10.0	09/10/17
17I0112-16 [WS-AOC15-SO-1-2]	B185867	10.0	10.0	09/10/17
17I0112-17 [WS-AOC15-SO-1-3]	B185867	10.0	10.0	09/10/17
17I0112-18 [WS-AOC12E-SO-42-1]	B185867	10.0	10.0	09/10/17
17I0112-19 [WS-AOC12E-SO-42-2]	B185867	10.1	10.0	09/10/17
17I0112-20 [WS-AOC12E-SO-42-3]	B185867	10.4	10.0	09/10/17

Prep Method: SW-846 3510C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17I0112-22 [Equipment Blank - 61]	B185890	1000	10.0	09/11/17
17I0112-23 [Equipment Blank - 62]	B185890	1000	10.0	09/11/17

Prep Method: SW-846 3546-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0112-07 [WS-AOC12E-SO-35-2]	B185922	30.0	2.00	09/11/17
17I0112-09 [WS-AOC12E-SO-21-1]	B185922	30.0	1.00	09/11/17

Prep Method: SW-846 3510C-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17I0112-22 [Equipment Blank - 61]	B185977	1000	1.00	09/12/17
17I0112-23 [Equipment Blank - 62]	B185977	1000	1.00	09/12/17

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QUALITY CONTROL

Semivolatile 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 B185922 - SW-846 3546

Blank (B185922-BLK1)

Prepared: 09/11/17 Analyzed: 09/12/17

Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
Surrogate: Nitrobenzene-d5	2.10		mg/Kg wet	3.33		63.1	30-130			
Surrogate: 2-Fluorobiphenyl	2.35		mg/Kg wet	3.33		70.6	30-130			
Surrogate: p-Terphenyl-d14	2.99		mg/Kg wet	3.33		89.8	30-130			

LCS (B185922-BS1)

Prepared: 09/11/17 Analyzed: 09/12/17

Acenaphthene	0.960	0.17	mg/Kg wet	1.67		57.6	40-140			
Acenaphthylene	0.963	0.17	mg/Kg wet	1.67		57.8	40-140			
Anthracene	1.05	0.17	mg/Kg wet	1.67		63.1	40-140			
Benzo(a)anthracene	1.12	0.17	mg/Kg wet	1.67		67.1	40-140			
Benzo(a)pyrene	1.08	0.17	mg/Kg wet	1.67		65.0	40-140			
Benzo(b)fluoranthene	1.03	0.17	mg/Kg wet	1.67		61.7	40-140			
Benzo(g,h,i)perylene	0.926	0.17	mg/Kg wet	1.67		55.6	40-140			
Benzo(k)fluoranthene	1.03	0.17	mg/Kg wet	1.67		61.9	40-140			
Chrysene	1.05	0.17	mg/Kg wet	1.67		62.8	40-140			
Dibenz(a,h)anthracene	1.03	0.17	mg/Kg wet	1.67		61.7	40-140			
Fluoranthene	1.06	0.17	mg/Kg wet	1.67		63.5	40-140			
Fluorene	1.02	0.17	mg/Kg wet	1.67		61.5	40-140			
Indeno(1,2,3-cd)pyrene	1.02	0.17	mg/Kg wet	1.67		60.9	40-140			
2-Methylnaphthalene	1.06	0.17	mg/Kg wet	1.67		63.4	40-140			
Naphthalene	0.987	0.17	mg/Kg wet	1.67		59.2	40-140			
Phenanthrene	1.05	0.17	mg/Kg wet	1.67		63.2	40-140			
Pyrene	1.06	0.17	mg/Kg wet	1.67		63.7	40-140			
Surrogate: Nitrobenzene-d5	2.22		mg/Kg wet	3.33		66.5	30-130			
Surrogate: 2-Fluorobiphenyl	2.46		mg/Kg wet	3.33		73.7	30-130			
Surrogate: p-Terphenyl-d14	2.62		mg/Kg wet	3.33		78.7	30-130			

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QUALITY CONTROL

Semivolatile 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 B185922 - SW-846 3546

LCS Dup (B185922-BSD1)

Prepared: 09/11/17 Analyzed: 09/12/17

Acenaphthene	1.04	0.17	mg/Kg wet	1.67		62.5	40-140	8.16	30	
Acenaphthylene	1.04	0.17	mg/Kg wet	1.67		62.6	40-140	8.07	30	
Anthracene	1.12	0.17	mg/Kg wet	1.67		67.5	40-140	6.77	30	
Benzo(a)anthracene	1.20	0.17	mg/Kg wet	1.67		72.0	40-140	7.16	30	
Benzo(a)pyrene	1.16	0.17	mg/Kg wet	1.67		69.3	40-140	6.34	30	
Benzo(b)fluoranthene	1.12	0.17	mg/Kg wet	1.67		67.5	40-140	8.88	30	
Benzo(g,h,i)perylene	1.07	0.17	mg/Kg wet	1.67		64.3	40-140	14.5	30	
Benzo(k)fluoranthene	1.12	0.17	mg/Kg wet	1.67		67.2	40-140	8.21	30	
Chrysene	1.13	0.17	mg/Kg wet	1.67		67.6	40-140	7.42	30	
Dibenz(a,h)anthracene	1.10	0.17	mg/Kg wet	1.67		66.2	40-140	6.94	30	
Fluoranthene	1.14	0.17	mg/Kg wet	1.67		68.2	40-140	7.20	30	
Fluorene	1.10	0.17	mg/Kg wet	1.67		66.3	40-140	7.58	30	
Indeno(1,2,3-cd)pyrene	1.09	0.17	mg/Kg wet	1.67		65.5	40-140	7.31	30	
2-Methylnaphthalene	1.18	0.17	mg/Kg wet	1.67		71.0	40-140	11.3	30	
Naphthalene	1.09	0.17	mg/Kg wet	1.67		65.5	40-140	10.0	30	
Phenanthrene	1.15	0.17	mg/Kg wet	1.67		69.0	40-140	8.74	30	
Pyrene	1.16	0.17	mg/Kg wet	1.67		69.7	40-140	9.00	30	
Surrogate: Nitrobenzene-d5	2.46		mg/Kg wet	3.33		73.7	30-130			
Surrogate: 2-Fluorobiphenyl	2.69		mg/Kg wet	3.33		80.6	30-130			
Surrogate: p-Terphenyl-d14	2.85		mg/Kg wet	3.33		85.5	30-130			

Batch B185977 - SW-846 3510C

Blank (B185977-BLK1)

Prepared: 09/12/17 Analyzed: 09/13/17

Acenaphthene (SIM)	ND	0.30	µg/L							
Acenaphthylene (SIM)	ND	0.30	µg/L							
Anthracene (SIM)	ND	0.20	µg/L							
Benzo(a)anthracene (SIM)	ND	0.050	µg/L							
Benzo(a)pyrene (SIM)	ND	0.10	µg/L							
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L							
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L							
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L							
Chrysene (SIM)	ND	0.20	µg/L							
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L							
Fluoranthene (SIM)	ND	0.50	µg/L							
Fluorene (SIM)	ND	1.0	µg/L							
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L							
2-Methylnaphthalene (SIM)	ND	1.0	µg/L							
Naphthalene (SIM)	ND	1.0	µg/L							
Phenanthrene (SIM)	ND	0.050	µg/L							
Pyrene (SIM)	ND	1.0	µg/L							
Surrogate: Nitrobenzene-d5	87.6		µg/L	100		87.6	30-130			
Surrogate: 2-Fluorobiphenyl	85.2		µg/L	100		85.2	30-130			
Surrogate: p-Terphenyl-d14	82.4		µg/L	100		82.4	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185977 - SW-846 3510C										
LCS (B185977-BS1)										
					Prepared: 09/12/17 Analyzed: 09/13/17					
Acenaphthene (SIM)	44.1	7.5	µg/L	50.0		88.2	40-140			
Acenaphthylene (SIM)	43.3	7.5	µg/L	50.0		86.6	40-140			
Anthracene (SIM)	46.5	5.0	µg/L	50.0		93.0	40-140			
Benzo(a)anthracene (SIM)	46.9	1.2	µg/L	50.0		93.8	40-140			
Benzo(a)pyrene (SIM)	48.5	2.5	µg/L	50.0		97.0	40-140			
Benzo(b)fluoranthene (SIM)	48.3	1.2	µg/L	50.0		96.6	40-140			
Benzo(g,h,i)perylene (SIM)	46.6	12	µg/L	50.0		93.3	40-140			
Benzo(k)fluoranthene (SIM)	46.8	5.0	µg/L	50.0		93.5	40-140			
Chrysene (SIM)	46.8	5.0	µg/L	50.0		93.6	40-140			
Dibenz(a,h)anthracene (SIM)	45.5	5.0	µg/L	50.0		91.0	40-140			
Fluoranthene (SIM)	45.6	12	µg/L	50.0		91.2	40-140			
Fluorene (SIM)	44.5	25	µg/L	50.0		89.0	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	46.9	5.0	µg/L	50.0		93.8	40-140			
2-Methylnaphthalene (SIM)	41.6	25	µg/L	50.0		83.2	40-140			
Naphthalene (SIM)	40.2	25	µg/L	50.0		80.4	40-140			
Phenanthrene (SIM)	45.1	1.2	µg/L	50.0		90.2	40-140			
Pyrene (SIM)	46.9	25	µg/L	50.0		93.8	40-140			
Surrogate: Nitrobenzene-d5	92.6		µg/L	100		92.6	30-130			
Surrogate: 2-Fluorobiphenyl	93.5		µg/L	100		93.5	30-130			
Surrogate: p-Terphenyl-d14	74.5		µg/L	100		74.5	30-130			
LCS Dup (B185977-BSD1)										
					Prepared: 09/12/17 Analyzed: 09/13/17					
Acenaphthene (SIM)	48.9	7.5	µg/L	50.0		97.8	40-140	10.2	20	
Acenaphthylene (SIM)	47.9	7.5	µg/L	50.0		95.8	40-140	10.0	20	
Anthracene (SIM)	51.2	5.0	µg/L	50.0		102	40-140	9.72	20	
Benzo(a)anthracene (SIM)	51.8	1.2	µg/L	50.0		104	40-140	10.0	20	
Benzo(a)pyrene (SIM)	53.8	2.5	µg/L	50.0		108	40-140	10.4	20	
Benzo(b)fluoranthene (SIM)	54.4	1.2	µg/L	50.0		109	40-140	12.0	20	
Benzo(g,h,i)perylene (SIM)	51.4	12	µg/L	50.0		103	40-140	9.59	20	
Benzo(k)fluoranthene (SIM)	52.5	5.0	µg/L	50.0		105	40-140	11.6	20	
Chrysene (SIM)	51.9	5.0	µg/L	50.0		104	40-140	10.2	20	
Dibenz(a,h)anthracene (SIM)	50.3	5.0	µg/L	50.0		101	40-140	10.0	20	
Fluoranthene (SIM)	49.9	12	µg/L	50.0		99.8	40-140	9.11	20	
Fluorene (SIM)	48.9	25	µg/L	50.0		97.8	40-140	9.47	20	
Indeno(1,2,3-cd)pyrene (SIM)	51.4	5.0	µg/L	50.0		103	40-140	9.21	20	
2-Methylnaphthalene (SIM)	45.6	25	µg/L	50.0		91.3	40-140	9.28	20	
Naphthalene (SIM)	44.4	25	µg/L	50.0		88.8	40-140	9.93	20	
Phenanthrene (SIM)	50.4	1.2	µg/L	50.0		101	40-140	11.0	20	
Pyrene (SIM)	53.0	25	µg/L	50.0		106	40-140	12.2	20	
Surrogate: Nitrobenzene-d5	98.4		µg/L	100		98.4	30-130			
Surrogate: 2-Fluorobiphenyl	99.8		µg/L	100		99.8	30-130			
Surrogate: p-Terphenyl-d14	86.0		µg/L	100		86.0	30-130			

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
Batch B185890 - SW-846 3510C										
Blank (B185890-BLK1)										
Prepared: 09/11/17 Analyzed: 09/14/17										
Aroclor-1016	ND	0.20	µg/L							
Aroclor-1016 [2C]	ND	0.20	µg/L							
Aroclor-1221	ND	0.20	µg/L							
Aroclor-1221 [2C]	ND	0.20	µg/L							
Aroclor-1232	ND	0.20	µg/L							
Aroclor-1232 [2C]	ND	0.20	µg/L							
Aroclor-1242	ND	0.20	µg/L							
Aroclor-1242 [2C]	ND	0.20	µg/L							
Aroclor-1248	ND	0.20	µg/L							
Aroclor-1248 [2C]	ND	0.20	µg/L							
Aroclor-1254	ND	0.20	µg/L							
Aroclor-1254 [2C]	ND	0.20	µg/L							
Aroclor-1260	ND	0.20	µg/L							
Aroclor-1260 [2C]	ND	0.20	µg/L							
Aroclor-1262	ND	0.20	µg/L							
Aroclor-1262 [2C]	ND	0.20	µg/L							
Aroclor-1268	ND	0.20	µg/L							
Aroclor-1268 [2C]	ND	0.20	µg/L							
Surrogate: Decachlorobiphenyl	1.96		µg/L	2.00		98.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.76		µg/L	2.00		88.2	30-150			
Surrogate: Tetrachloro-m-xylene	2.18		µg/L	2.00		109	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.68		µg/L	2.00		83.9	30-150			
LCS (B185890-BS1)										
Prepared: 09/11/17 Analyzed: 09/14/17										
Aroclor-1016	0.50	0.20	µg/L	0.500		99.5	40-140			
Aroclor-1016 [2C]	0.52	0.20	µg/L	0.500		103	40-140			
Aroclor-1260	0.47	0.20	µg/L	0.500		93.7	40-140			
Aroclor-1260 [2C]	0.51	0.20	µg/L	0.500		102	40-140			
Surrogate: Decachlorobiphenyl	2.02		µg/L	2.00		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.80		µg/L	2.00		89.8	30-150			
Surrogate: Tetrachloro-m-xylene	2.12		µg/L	2.00		106	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.63		µg/L	2.00		81.6	30-150			
LCS Dup (B185890-BSD1)										
Prepared: 09/11/17 Analyzed: 09/14/17										
Aroclor-1016	0.50	0.20	µg/L	0.500		100	40-140	0.547	20	
Aroclor-1016 [2C]	0.51	0.20	µg/L	0.500		103	40-140	0.515	20	
Aroclor-1260	0.46	0.20	µg/L	0.500		91.9	40-140	1.95	20	
Aroclor-1260 [2C]	0.50	0.20	µg/L	0.500		100	40-140	2.01	20	
Surrogate: Decachlorobiphenyl	1.85		µg/L	2.00		92.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.67		µg/L	2.00		83.6	30-150			
Surrogate: Tetrachloro-m-xylene	2.13		µg/L	2.00		107	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.65		µg/L	2.00		82.3	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
Batch B185830 - SW-846 3540C										
Blank (B185830-BLK1)										
Prepared: 09/08/17 Analyzed: 09/10/17										
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		95.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.213		mg/Kg wet	0.200		106	30-150			
Surrogate: Tetrachloro-m-xylene	0.154		mg/Kg wet	0.200		77.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.177		mg/Kg wet	0.200		88.3	30-150			
LCS (B185830-BS1)										
Prepared: 09/08/17 Analyzed: 09/10/17										
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		85.6	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		95.6	40-140			
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		74.9	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		80.8	40-140			
Surrogate: Decachlorobiphenyl	0.177		mg/Kg wet	0.200		88.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.197		mg/Kg wet	0.200		98.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.142		mg/Kg wet	0.200		71.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.164		mg/Kg wet	0.200		81.8	30-150			
LCS Dup (B185830-BSD1)										
Prepared: 09/08/17 Analyzed: 09/10/17										
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		90.5	40-140	5.57	30	
Aroclor-1016 [2C]	0.21	0.020	mg/Kg wet	0.200		103	40-140	7.04	30	
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		77.4	40-140	3.31	30	
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		86.6	40-140	6.84	30	
Surrogate: Decachlorobiphenyl	0.179		mg/Kg wet	0.200		89.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.199		mg/Kg wet	0.200		99.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.157		mg/Kg wet	0.200		78.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.182		mg/Kg wet	0.200		91.0	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
Batch B185867 - SW-846 3540C										
Blank (B185867-BLK1)										
Prepared: 09/10/17 Analyzed: 09/16/17										
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		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.182		mg/Kg wet	0.200		90.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.208		mg/Kg wet	0.200		104	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.155		mg/Kg wet	0.200		77.3	30-150			
LCS (B185867-BS1)										
Prepared: 09/10/17 Analyzed: 09/16/17										
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		87.8	40-140			
Aroclor-1016 [2C]	0.16	0.020	mg/Kg wet	0.200		80.3	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		78.3	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		78.6	40-140			
Surrogate: Decachlorobiphenyl	0.200		mg/Kg wet	0.200		99.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.178		mg/Kg wet	0.200		89.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.203		mg/Kg wet	0.200		102	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.148		mg/Kg wet	0.200		74.0	30-150			
LCS Dup (B185867-BSD1)										
Prepared: 09/10/17 Analyzed: 09/16/17										
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		81.8	40-140	7.09	30	
Aroclor-1016 [2C]	0.15	0.020	mg/Kg wet	0.200		76.3	40-140	5.16	30	
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		76.6	40-140	2.21	30	
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		77.3	40-140	1.68	30	
Surrogate: Decachlorobiphenyl	0.195		mg/Kg wet	0.200		97.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.176		mg/Kg wet	0.200		88.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.203		mg/Kg wet	0.200		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.151		mg/Kg wet	0.200		75.4	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
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Batch B185867 - SW-846 3540C

Matrix Spike (B185867-MS1)

Source: 1710112-05

Prepared: 09/10/17 Analyzed: 09/16/17

Aroclor-1016	0.19	0.090	mg/Kg dry	0.225	ND	84.1	40-140			
Aroclor-1016 [2C]	0.18	0.090	mg/Kg dry	0.225	ND	81.5	40-140			
Aroclor-1260	0.14	0.090	mg/Kg dry	0.225	ND	62.6	40-140			
Aroclor-1260 [2C]	0.15	0.090	mg/Kg dry	0.225	ND	65.7	40-140			
Surrogate: Decachlorobiphenyl	0.158		mg/Kg dry	0.225		70.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.172		mg/Kg dry	0.225		76.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.196		mg/Kg dry	0.225		86.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.203		mg/Kg dry	0.225		90.2	30-150			

Matrix Spike Dup (B185867-MSD1)

Source: 1710112-05

Prepared: 09/10/17 Analyzed: 09/16/17

Aroclor-1016	0.24	0.091	mg/Kg dry	0.228	ND	106	40-140	23.7	50	
Aroclor-1016 [2C]	0.22	0.091	mg/Kg dry	0.228	ND	96.4	40-140	17.7	50	
Aroclor-1260	0.17	0.091	mg/Kg dry	0.228	ND	76.4	40-140	20.8	50	
Aroclor-1260 [2C]	0.18	0.091	mg/Kg dry	0.228	ND	80.3	40-140	21.0	50	
Surrogate: Decachlorobiphenyl	0.193		mg/Kg dry	0.228		84.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.209		mg/Kg dry	0.228		91.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.224		mg/Kg dry	0.228		98.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.239		mg/Kg dry	0.228		105	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185892 - SW-846 3510C										
Blank (B185892-BLK1)										
Prepared: 09/11/17 Analyzed: 09/12/17										
CT ETPH	ND	0.075	mg/L							
Surrogate: o-Terphenyl	0.0784		mg/L	0.100		78.4	50-150			
LCS (B185892-BS1)										
Prepared: 09/11/17 Analyzed: 09/12/17										
CT ETPH	0.633	0.075	mg/L	1.00		63.3	60-120			
Surrogate: o-Terphenyl	0.0709		mg/L	0.100		70.9	50-150			
LCS Dup (B185892-BSD1)										
Prepared: 09/11/17 Analyzed: 09/12/17										
CT ETPH	0.663	0.075	mg/L	1.00		66.3	60-120	4.71	30	
Surrogate: o-Terphenyl	0.0745		mg/L	0.100		74.5	50-150			
Batch B185921 - SW-846 3546										
Blank (B185921-BLK1)										
Prepared: 09/11/17 Analyzed: 09/12/17										
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	2.52		mg/Kg wet	3.33		75.6	50-150			
LCS (B185921-BS1)										
Prepared: 09/11/17 Analyzed: 09/12/17										
CT ETPH	20.3	10	mg/Kg wet	33.3		61.0	60-120			
Surrogate: o-Terphenyl	2.40		mg/Kg wet	3.33		72.0	50-150			
LCS Dup (B185921-BSD1)										
Prepared: 09/11/17 Analyzed: 09/12/17										
CT ETPH	21.6	10	mg/Kg wet	33.3		64.8	60-120	6.10	30	
Surrogate: o-Terphenyl	2.51		mg/Kg wet	3.33		75.4	50-150			
Matrix Spike (B185921-MS1)										
Source: 17I0112-03 Prepared: 09/11/17 Analyzed: 09/12/17										
CT ETPH	242	56	mg/Kg dry	37.3	261	-50.1 *	50-150			MS-07A
Surrogate: o-Terphenyl	2.44		mg/Kg dry	3.73		65.3	50-150			
Matrix Spike Dup (B185921-MSD1)										
Source: 17I0112-03 Prepared: 09/11/17 Analyzed: 09/12/17										
CT ETPH	259	56	mg/Kg dry	37.3	261	-5.38 *	50-150	6.66	30	MS-07A
Surrogate: o-Terphenyl	2.47		mg/Kg dry	3.73		66.2	50-150			

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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
Batch B185594 - % Solids										
Duplicate (B185594-DUP5)	Source: 17I0112-01			Prepared: 09/06/17 Analyzed: 09/07/17						
% Solids	78.8		% Wt			81.9		3.86	20	
Duplicate (B185594-DUP6)	Source: 17I0112-02			Prepared: 09/06/17 Analyzed: 09/07/17						
% Solids	81.2		% Wt			83.0		2.19	20	

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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
DL	Method Detection Limit
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-07A	Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.
RL-12	Elevated reporting limit due to matrix interference.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
CTDEP ETPH in Water	
CT ETPH	CT
SW-846 8082A in Soil	
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
SW-846 8082A in Water	
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
SW-846 8270D in Soil	
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Anthracene	CT,NY,NH,ME,NC,VA

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8270D in Soil</i>	
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA
Benzo(k)fluoranthene	CT,NY,NH,ME,NC,VA
Chrysene	CT,NY,NH,ME,NC,VA
Dibenz(a,h)anthracene	CT,NY,NH,ME,NC,VA
Fluoranthene	CT,NY,NH,ME,NC,VA
Fluorene	CT,NY,NH,ME,NC,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NH,ME,NC,VA
2-Methylnaphthalene	CT,NY,NH,ME,NC,VA
Naphthalene	CT,NY,NH,ME,NC,VA
Phenanthrene	CT,NY,NH,ME,NC,VA
Pyrene	CT,NY,NH,ME,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	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
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	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

1710112

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

Company Name: Weston & Sampson Engineers
Address: 273 Dividend Rd Rocky Hill, CT
Phone: 860 513-1473
Project Name: English Station
Project Location: 510 Grand Ave, New Haven, CT
Project Number: 2170495
Project Manager: Malcolm Beeler
Con-Test Bid:
Invoice Recipient: Malcolm Beeler (Weston & Sampson)
Sampled By: Chris Berthiaume / Will Sirotnak

Requested Turnaround Time
7-Day 10-Day
Other: 5-day
Rush-Approval Required
1-Day 3-Day
2-Day 4-Day
Data Delivery
Format: PDF EXCEL
Other:
Enhanced Data Package Required:
Email To: beelerm@wseinc.com
Fax To #:

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1	WS-ADG12E-SO-5-1	9/5/17	1330		X	S	U
2	WS-ADG12E-SO-5-2		1331				
3	WS-ADG12E-SO-17-1		1340				
4	WS-ADG12E-SO-17-2		1341				
5	WS-ADG12E-SO-17-3		1342				
6	WS-ADG12E-SO-35-1		1403				
7	WS-ADG12E-SO-35-2		1404				
8	WS-ADG12E-SO-35-3		1405				
9	WS-ADG12E-SO-21-1		1406				
10	WS-ADG12E-SO-21-2		1407				

ANALYSIS REQUESTED

PCBs (Total)	X
PAHs	X
Field Filtered	
Lab to Filter	
Field Filtered	
Lab to Filter	

1 Matrix Codes:
GW = Ground Water
DW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
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)

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

Program Information

MCP Analytical Certification Form Required
 RCP Analytical Certification Form Required
 MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

Please hold excess volumes for possible SPLP analyses.

Relinquished by: (signature)	Date/Time: 9/5/17
Received by: (signature)	Date/Time: 9/5/17
Relinquished by: (signature)	Date/Time: 9/5/17
Received by: (signature)	Date/Time: 9/5/17 16:40
Relinquished by: (signature)	Date/Time: 9/5/17 16:40
Received by: (signature)	Date/Time:

1710112

Phone: 413-525-2332
Fax: 413-525-6405

Email: info@contestlabs.com
Weston & Sampson Engineers
273 Dividend Rd Rocky Hill, CT

Project Name: English Station
Project Location: 510 Grand Ave, New Haven, CT
Project Number: 2170495
Project Manager: Malcolm Beeler

Invoice Recipient: Malcolm Beeler (Weston & Sampson)
Sampled By: Chris Berthiaume/Will Sirotnak

Requested Turnaround Time
 7-Day 10-Day
 Other: 5-day
Rush-Approval Required
 1-Day 3-Day
 2-Day 4-Day
Data Delivery
 Format: PDF EXCEL
 Other:
 Enhanced Data Package Required:
 Email To: beelerm@wseinc.com
 Fax To #:

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
11	WS-AOC12E-SO-21-3	9/5/17	1402		X	S	U
12	WS-AOC12E-SO-25-1		1414				
13	WS-AOC12E-SO-25-2		1415				
14	WS-AOC12E-SO-25-3		1416				
15	WS-AOC15-SO-1-1		1427				
16	WS-AOC15-SO-1-2		1428				
17	WS-AOC15-SO-1-3		1429				
18	WS-AOC12E-SO-42-1		1459				
19	WS-AOC12E-SO-42-2		1500				
20	WS-AOC12E-SO-42-3		1501				

Comments:

Please hold excess volumes for possible SPLP 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: 9/5/17
Received by: (signature)	Date/Time: 9/15/17 7:56
Relinquished by: (signature)	Date/Time: 9/17/17 4:40
Received by: (signature)	Date/Time: 9/17/17 16:90
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements	
MA	
GT	RES DEC
Other:	

Program Information

MCP Analytical Certification Form Required
 RCP Analytical Certification Form Required
 MA State DW Form Required
 PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

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/Solid
 SL = Sludge
 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)

110112



Phone: 413-525-2332
Fax: 413-525-6405

Email: info@contestlabs.com
Weston & Sampson Engineers
273 Dividend Rd Rocky Hill, CT
860 513-1473

Project Name: English Station
Project Location: 510 Grand Ave, New Haven, CT
Project Number: 2170495
Project Manager: Malcolm Beeler

Con-Test Bid:
Invoice Recipient: Malcolm Beeler (Weston & Sampson)
Sampled By: Chris Berthiaume / Will Sirotnak

Requested Turnaround Time
 7-Day 10-Day 5-Day
 Other: _____

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

Data Delivery
 Format: PDF EXCEL Other: _____

Enhanced Data Package Required:

Email To: beelerm@owseinc.com
 Fax To #: _____

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
21	WS-ABGEE-SP-Dup 479/5/17	12:00	12:20	X	X	S	C
22	Equipment Blank-61			X	X	W	C
23	Equipment Blank-62			X	X	W	C

ANALYSIS REQUESTED

- 1 Matrix Codes:**
 GW = Ground Water
 WW = Waste Water
 DW = Drinking Water
 A = Air
 S = Soil/Solid
 SL = Sludge
 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)

- Dissolved Metals Samples**
 Field Filtered
 Lab to Filter
- Orthophosphate Samples**
 Field Filtered
 Lab to Filter

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

Program Information

- MCP Analytical Certification Form Required
 RCP Analytical Certification Form Required
 MA State DW Form Required
 PWSID # _____
- NELAC and AIHA-LAP, LLC Accredited

Relinquished by: (signature)	Date/Time	Detection Limit Requirements
<i>[Signature]</i>	9/5/17	MA
<i>[Signature]</i>	9/5/17 1515	
<i>[Signature]</i>	9/5/17 1440	RES DEC
<i>[Signature]</i>	9/5/17 1630	
<i>[Signature]</i>	9/5/17 1630	Other:

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

39 Spruce St.
 East Longmeadow, MA. 01028
 P: 413-525-2332
 F: 413-525-6405
 www.contestlabs.com



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 JM Date 9/5/17 Time 1640
 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 # 1 Actual Temp - 3.3, 3.7
 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 Who was notified? _____
 Are there Rushes? N/A Who was notified? _____
 Are there Short Holds? N/A Who was notified? _____
 Is there enough Volume? T
 Is there Headspace where applicable? N/A MS/MSD? N/A
 Proper Media/Containers Used? T Is splitting samples required? N/A
 Were trip blanks received? N/A On COC? N/A
 Do all samples have the proper pH? N/A Acid _____ Base _____

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.	<u>6</u>	1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz <u>Amb/Clear</u>
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:

D:\HPCHEM\1\DATA\A091217.SEC\A0912007.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/12/17
 Data File Name A0912007.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	579219	601921	-4
c - 10	1.62	584624	601921	-3
c - 12	2.35	601930	601921	0
c - 14	3.01	613611	601921	2
c - 16	3.61	626238	601921	4
c - 18	4.23	617049	601921	3
o-Terphenyl	4.51	684250	601921	
c - 20	4.83	622766	601921	3
c - 22	5.34	629203	601921	5
c - 24	5.77	583868	601921	-3
c - 26	6.16	611957	601921	2
c - 28	6.52	601941	601921	0
c - 30	6.85	596395	601921	-1
c - 32	7.16	582912	601921	-3
c - 34	7.46	587710	601921	-2
c - 36	7.77	589388	601921	-2

* One compound allowed %D <= 50%

Samples
 17H1675-17

D:\HPCHEM\1\DATA\A091217.SEC\A0912039.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/12/17
 Data File Name A0912039.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	603049	629027	-4
c - 10	1.62	609325	629027	-3
c - 12	2.35	625871	629027	-1
c - 14	3.01	638455	629027	1
c - 16	3.61	652226	629027	4
c - 18	4.23	642382	629027	2
o-Terphenyl	4.51	713285	629027	
c - 20	4.83	648093	629027	3
c - 22	5.34	655317	629027	4
c - 24	5.77	608772	629027	-3
c - 26	6.16	639161	629027	2
c - 28	6.52	629708	629027	0
c - 30	6.85	627878	629027	0
c - 32	7.16	615300	629027	-2
c - 34	7.45	619133	629027	-2
c - 36	7.77	620740	629027	-1

* One compound allowed %D <= 50%

Samples
 17I0112-22
 17I0112-23
 17I0137-01
 17H1672-11

D:\HPCHEM\1\DATA\A091217\A0912006.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/12/17
 Data File Name A0912006.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	501479	538055	-7
c - 10	1.64	508127	538055	-6
c - 12	2.37	526410	538055	-2
c - 14	3.05	540261	538055	0
c - 16	3.65	553396	538055	3
c - 18	4.29	547821	538055	2
o-Terphenyl	4.57	606869	538055	
c - 20	4.89	555426	538055	3
c - 22	5.39	565503	538055	5
c - 24	5.83	528778	538055	-2
c - 26	6.23	558205	538055	4
c - 28	6.59	551574	538055	3
c - 30	6.92	544804	538055	1
c - 32	7.24	528926	538055	-2
c - 34	7.53	529626	538055	-2
c - 36	7.88	530490	538055	-1

* One compound allowed %D <= 50%

Samples

17H1672-02
 17H1672-03
 17H1672-04
 17H1672-08
 17H1672-12
 17H1672-14
 17H1672-16
 17I0112-13
 17H1672-05

D:\HPCHEM\1\DATA\A091217\A0912038.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/12/17
 Data File Name A0912038.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	500546	539610	-7
c - 10	1.64	508067	539610	-6
c - 12	2.37	526540	539610	-2
c - 14	3.04	540306	539610	0
c - 16	3.65	554002	539610	3
c - 18	4.29	549170	539610	2
o-Terphenyl	4.57	609352	539610	
c - 20	4.89	557450	539610	3
c - 22	5.39	567557	539610	5
c - 24	5.83	530516	539610	-2
c - 26	6.23	560292	539610	4
c - 28	6.59	553131	539610	3
c - 30	6.92	548526	539610	2
c - 32	7.23	532844	539610	-1
c - 34	7.53	532454	539610	-1
c - 36	7.87	532753	539610	-1

* One compound allowed %D <= 50%

Samples

17I0112-06
 17I0112-03
 17I0112-10
 17I0112-15
 17I0112-19
 17I0297-01
 17H1672-01
 17H1672-09
 17I0112-01



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: 510 Grand Ave., New Haven, CT

Project Number: 17I0112

Laboratory Sample ID(s):

Sample Date(s):

17I0112-01 thru 17I0112-23

09/05/2017

List RCP Methods Used:

CTDEP ETPH, SW-846 8082A, SW-846 8270D

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 checked="" type="checkbox"/> Yes <input 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	<input checked="" type="checkbox"/> Yes <input 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."

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:

Position: Project Manager

Printed Name: Lisa A. Worthington

Date: 09/18/17

Name of Laboratory: Con-Test Analytical Laboratory

This certification form is to be used for RCP methods only.

September 18, 2017

Malcolm Beeler
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: 510 Grand Ave., New Haven, CT
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17I0112

Enclosed are results of analyses for samples received by the laboratory on September 5, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



James M. Georgantas
Project Manager

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

Weston & Sampson
 273 Dividend Road
 Rocky Hill, CT 06067
 ATTN: Malcolm Beeler

REPORT DATE: 9/18/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 1710112

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

PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC12E-SO-5-1	1710112-01	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC12E-SO-5-2	1710112-02	Soil		SM 2540G SW-846 8082A	
WS-AOC12E-SO-17-1	1710112-03	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC12E-SO-17-2	1710112-04	Soil		SM 2540G SW-846 8082A	
WS-AOC12E-SO-17-3	1710112-05	Soil		SM 2540G SW-846 8082A	
WS-AOC12E-SO-35-1	1710112-06	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC12E-SO-35-2	1710112-07	Soil		SM 2540G SW-846 8082A SW-846 8270D	
WS-AOC12E-SO-35-3	1710112-08	Soil		SM 2540G SW-846 8082A	
WS-AOC12E-SO-21-1	1710112-09	Soil		SM 2540G SW-846 8082A SW-846 8270D	
WS-AOC12E-SO-21-2	1710112-10	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC12E-SO-21-3	1710112-11	Soil		SM 2540G SW-846 8082A	
WS-AOC12E-SO-25-1	1710112-12	Soil		SM 2540G SW-846 8082A	
WS-AOC12E-SO-25-2	1710112-13	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC12E-SO-25-3	1710112-14	Soil		SM 2540G SW-846 8082A	
WS-AOC15-SO-1-1	1710112-15	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC15-SO-1-2	1710112-16	Soil		SM 2540G SW-846 8082A	

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

Weston & Sampson
 273 Dividend Road
 Rocky Hill, CT 06067
 ATTN: Malcolm Beeler

REPORT DATE: 9/18/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 1710112

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

PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC15-SO-1-3	1710112-17	Soil		SM 2540G SW-846 8082A	
WS-AOC12E-SO-42-1	1710112-18	Soil		SM 2540G SW-846 8082A	
WS-AOC12E-SO-42-2	1710112-19	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC12E-SO-42-3	1710112-20	Soil		SM 2540G SW-846 8082A	
WS-AOC12E-SO-Dup47	1710112-21	Soil		SM 2540G SW-846 8082A	
Equipment Blank - 61	1710112-22	Equipment Blank Water		CTDEP ETPH SW-846 8082A SW-846 8270D	
Equipment Blank - 62	1710112-23	Equipment Blank Water		CTDEP ETPH SW-846 8082A SW-846 8270D	

CASE NARRATIVE SUMMARY

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

For method 8270, only PAHs were requested and reported.

CTDEP ETPH**Qualifications:****MS-07A**

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery.

Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

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

1710112-03[WS-AOC12E-SO-17-1], B185921-MS1, B185921-MSD1

SW-846 8270D**Qualifications:****RL-12**

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

1710112-07[WS-AOC12E-SO-35-2]

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: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-5-1

Sampled: 9/5/2017 13:30

Sample ID: 1710112-01

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	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:07	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:07	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:07	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:07	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:07	JMB
Aroclor-1254 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:07	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:07	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:07	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:07	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		95.4	30-150					9/16/17 14:07	
Decachlorobiphenyl [2]		110	30-150					9/16/17 14:07	
Tetrachloro-m-xylene [1]		95.8	30-150					9/16/17 14:07	
Tetrachloro-m-xylene [2]		91.5	30-150					9/16/17 14:07	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-5-1

Sampled: 9/5/2017 13:30

Sample ID: 1710112-01

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	110	12	mg/Kg dry	1		CTDEP ETPH	9/11/17	9/12/17 23:59	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		86.3	50-150					9/12/17 23:59	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-5-1

Sampled: 9/5/2017 13:30

Sample ID: 1710112-01

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	81.9		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-5-2

Sampled: 9/5/2017 13:31

Sample ID: 1710112-02

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	0.096	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:24	JMB
Aroclor-1221 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:24	JMB
Aroclor-1232 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:24	JMB
Aroclor-1242 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:24	JMB
Aroclor-1248 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:24	JMB
Aroclor-1254 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:24	JMB
Aroclor-1260 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:24	JMB
Aroclor-1262 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:24	JMB
Aroclor-1268 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:24	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		93.2	30-150					9/16/17 14:24	
Decachlorobiphenyl [2]		103	30-150					9/16/17 14:24	
Tetrachloro-m-xylene [1]		95.4	30-150					9/16/17 14:24	
Tetrachloro-m-xylene [2]		96.1	30-150					9/16/17 14:24	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-5-2

Sampled: 9/5/2017 13:31

Sample ID: 1710112-02

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	83.0		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-17-1

Sampled: 9/5/2017 13:40

Sample ID: 1710112-03

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	9/10/17	9/16/17 14:42	JMB
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:42	JMB
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:42	JMB
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:42	JMB
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:42	JMB
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:42	JMB
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:42	JMB
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:42	JMB
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:42	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		91.2	30-150					9/16/17 14:42	
Decachlorobiphenyl [2]		100	30-150					9/16/17 14:42	
Tetrachloro-m-xylene [1]		94.2	30-150					9/16/17 14:42	
Tetrachloro-m-xylene [2]		95.9	30-150					9/16/17 14:42	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-17-1

Sampled: 9/5/2017 13:40

Sample ID: 1710112-03

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	260	56	mg/Kg dry	5	MS-07A	CTDEP ETPH	9/11/17	9/12/17 21:20	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		69.1	50-150					9/12/17 21:20	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-17-1

Sampled: 9/5/2017 13:40

Sample ID: 1710112-03

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	89.3		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-17-2

Sampled: 9/5/2017 13:41

Sample ID: 1710112-04

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	9/10/17	9/16/17 14:59	JMB
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:59	JMB
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:59	JMB
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:59	JMB
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:59	JMB
Aroclor-1254 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:59	JMB
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:59	JMB
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:59	JMB
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:59	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		91.2	30-150					9/16/17 14:59	
Decachlorobiphenyl [2]		105	30-150					9/16/17 14:59	
Tetrachloro-m-xylene [1]		91.1	30-150					9/16/17 14:59	
Tetrachloro-m-xylene [2]		95.1	30-150					9/16/17 14:59	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-17-2

Sampled: 9/5/2017 13:41

Sample ID: 1710112-04

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	85.9		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-17-3

Sampled: 9/5/2017 13:42

Sample ID: 1710112-05

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	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:17	JMB
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:17	JMB
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:17	JMB
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:17	JMB
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:17	JMB
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:17	JMB
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:17	JMB
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:17	JMB
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:17	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		100	30-150					9/16/17 15:17	
Decachlorobiphenyl [2]		112	30-150					9/16/17 15:17	
Tetrachloro-m-xylene [1]		100	30-150					9/16/17 15:17	
Tetrachloro-m-xylene [2]		106	30-150					9/16/17 15:17	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-17-3

Sampled: 9/5/2017 13:42

Sample ID: 1710112-05

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	87.9		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-35-1

Sampled: 9/5/2017 14:03

Sample ID: 1710112-06

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	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:34	JMB
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:34	JMB
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:34	JMB
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:34	JMB
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:34	JMB
Aroclor-1254 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:34	JMB
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:34	JMB
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:34	JMB
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:34	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		77.6	30-150					9/16/17 15:34	
Decachlorobiphenyl [2]		88.3	30-150					9/16/17 15:34	
Tetrachloro-m-xylene [1]		84.8	30-150					9/16/17 15:34	
Tetrachloro-m-xylene [2]		84.3	30-150					9/16/17 15:34	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-35-1

Sampled: 9/5/2017 14:03

Sample ID: 1710112-06

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	1100	240	mg/Kg dry	10		CTDEP ETPH	9/11/17	9/12/17 21:02	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		62.2	50-150					9/12/17 21:02	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-35-1

Sampled: 9/5/2017 14:03

Sample ID: 1710112-06

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	84.2		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-35-2

Sampled: 9/5/2017 14:04

Sample ID: 1710112-07

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatle Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Acenaphthylene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Anthracene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Benzo(a)anthracene	0.39	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Benzo(a)pyrene	0.40	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Benzo(b)fluoranthene	0.49	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Benzo(g,h,i)perylene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Benzo(k)fluoranthene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Chrysene	0.40	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Dibenz(a,h)anthracene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Fluoranthene	0.68	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Fluorene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Indeno(1,2,3-cd)pyrene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
2-Methylnaphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Naphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Phenanthrene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Pyrene	0.67	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Nitrobenzene-d5		35.1	30-130					9/12/17 17:56	
2-Fluorobiphenyl		37.6	30-130					9/12/17 17:56	
p-Terphenyl-d14		42.2	30-130					9/12/17 17:56	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-35-2

Sampled: 9/5/2017 14:04

Sample ID: 1710112-07

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	9/10/17	9/16/17 15:52	JMB
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:52	JMB
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:52	JMB
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:52	JMB
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:52	JMB
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:52	JMB
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:52	JMB
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:52	JMB
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:52	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		76.8	30-150					9/16/17 15:52	
Decachlorobiphenyl [2]		86.7	30-150					9/16/17 15:52	
Tetrachloro-m-xylene [1]		88.2	30-150					9/16/17 15:52	
Tetrachloro-m-xylene [2]		92.2	30-150					9/16/17 15:52	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-35-2

Sampled: 9/5/2017 14:04

Sample ID: 1710112-07

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	90.4		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-35-3

Sampled: 9/5/2017 14:05

Sample ID: 1710112-08

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	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:09	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:09	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:09	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:09	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:09	JMB
Aroclor-1254 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:09	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:09	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:09	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:09	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		78.4	30-150					9/16/17 16:09	
Decachlorobiphenyl [2]		86.1	30-150					9/16/17 16:09	
Tetrachloro-m-xylene [1]		89.1	30-150					9/16/17 16:09	
Tetrachloro-m-xylene [2]		100	30-150					9/16/17 16:09	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-35-3

Sampled: 9/5/2017 14:05

Sample ID: 1710112-08

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	83.9		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-21-1

Sampled: 9/5/2017 14:00

Sample ID: 1710112-09

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Benzo(a)anthracene	0.32	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Benzo(a)pyrene	0.27	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Benzo(b)fluoranthene	0.41	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Benzo(g,h,i)perylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Benzo(k)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Chrysene	0.45	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Fluoranthene	0.68	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Indeno(1,2,3-cd)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Phenanthrene	0.47	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Pyrene	0.56	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Nitrobenzene-d5		44.9	30-130					9/12/17 18:24	
2-Fluorobiphenyl		53.0	30-130					9/12/17 18:24	
p-Terphenyl-d14		60.1	30-130					9/12/17 18:24	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-21-1

Sampled: 9/5/2017 14:00

Sample ID: 1710112-09

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	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:27	JMB
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:27	JMB
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:27	JMB
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:27	JMB
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:27	JMB
Aroclor-1254 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:27	JMB
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:27	JMB
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:27	JMB
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:27	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		78.2	30-150					9/16/17 16:27	
Decachlorobiphenyl [2]		84.8	30-150					9/16/17 16:27	
Tetrachloro-m-xylene [1]		86.6	30-150					9/16/17 16:27	
Tetrachloro-m-xylene [2]		91.5	30-150					9/16/17 16:27	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-21-1

Sampled: 9/5/2017 14:00

Sample ID: 1710112-09

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	83.3		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-21-2

Sampled: 9/5/2017 14:01

Sample ID: 1710112-10

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	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:32	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:32	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:32	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:32	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:32	JMB
Aroclor-1254 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:32	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:32	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:32	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:32	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		90.5	30-150					9/16/17 17:32	
Decachlorobiphenyl [2]		99.8	30-150					9/16/17 17:32	
Tetrachloro-m-xylene [1]		94.4	30-150					9/16/17 17:32	
Tetrachloro-m-xylene [2]		100	30-150					9/16/17 17:32	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-21-2

Sampled: 9/5/2017 14:01

Sample ID: 1710112-10

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	200	62	mg/Kg dry	5		CTDEP ETPH	9/11/17	9/12/17 22:13	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	92.9		50-150					9/12/17 22:13	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-21-2

Sampled: 9/5/2017 14:01

Sample ID: 1710112-10

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	80.8		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-21-3

Sampled: 9/5/2017 14:02

Sample ID: 1710112-11

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	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:49	JMB
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:49	JMB
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:49	JMB
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:49	JMB
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:49	JMB
Aroclor-1254 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:49	JMB
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:49	JMB
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:49	JMB
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:49	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		86.2	30-150					9/16/17 17:49	
Decachlorobiphenyl [2]		92.2	30-150					9/16/17 17:49	
Tetrachloro-m-xylene [1]		89.8	30-150					9/16/17 17:49	
Tetrachloro-m-xylene [2]		92.4	30-150					9/16/17 17:49	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-21-3

Sampled: 9/5/2017 14:02

Sample ID: 1710112-11

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	83.2		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-25-1

Sampled: 9/5/2017 14:14

Sample ID: 1710112-12

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	9/10/17	9/16/17 18:07	JMB
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:07	JMB
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:07	JMB
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:07	JMB
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:07	JMB
Aroclor-1254 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:07	JMB
Aroclor-1260 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:07	JMB
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:07	JMB
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:07	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		95.6	30-150					9/16/17 18:07	
Decachlorobiphenyl [2]		102	30-150					9/16/17 18:07	
Tetrachloro-m-xylene [1]		110	30-150					9/16/17 18:07	
Tetrachloro-m-xylene [2]		118	30-150					9/16/17 18:07	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-25-1

Sampled: 9/5/2017 14:14

Sample ID: 1710112-12

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	93.6		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-25-2

Sampled: 9/5/2017 14:15

Sample ID: 1710112-13

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	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:24	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:24	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:24	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:24	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:24	JMB
Aroclor-1254 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:24	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:24	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:24	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:24	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		88.4	30-150					9/16/17 18:24	
Decachlorobiphenyl [2]		94.8	30-150					9/16/17 18:24	
Tetrachloro-m-xylene [1]		96.3	30-150					9/16/17 18:24	
Tetrachloro-m-xylene [2]		107	30-150					9/16/17 18:24	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-25-2

Sampled: 9/5/2017 14:15

Sample ID: 1710112-13

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	23	12	mg/Kg dry	1		CTDEP ETPH	9/11/17	9/12/17 18:57	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		82.0	50-150					9/12/17 18:57	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-25-2

Sampled: 9/5/2017 14:15

Sample ID: 1710112-13

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	81.8		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-25-3

Sampled: 9/5/2017 14:16

Sample ID: 1710112-14

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	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:42	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:42	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:42	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:42	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:42	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:42	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:42	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:42	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:42	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		85.4	30-150					9/16/17 18:42	
Decachlorobiphenyl [2]		94.3	30-150					9/16/17 18:42	
Tetrachloro-m-xylene [1]		87.7	30-150					9/16/17 18:42	
Tetrachloro-m-xylene [2]		93.1	30-150					9/16/17 18:42	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-25-3

Sampled: 9/5/2017 14:16

Sample ID: 1710112-14

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	72.8		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC15-SO-1-1

Sampled: 9/5/2017 14:27

Sample ID: 1710112-15

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	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:59	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:59	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:59	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:59	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:59	JMB
Aroclor-1254 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:59	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:59	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:59	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:59	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		88.4	30-150					9/16/17 18:59	
Decachlorobiphenyl [2]		98.6	30-150					9/16/17 18:59	
Tetrachloro-m-xylene [1]		95.9	30-150					9/16/17 18:59	
Tetrachloro-m-xylene [2]		102	30-150					9/16/17 18:59	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC15-SO-1-1

Sampled: 9/5/2017 14:27

Sample ID: 1710112-15

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	220	120	mg/Kg dry	10		CTDEP ETPH	9/11/17	9/12/17 22:31	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		51.4	50-150					9/12/17 22:31	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC15-SO-1-1

Sampled: 9/5/2017 14:27

Sample ID: 1710112-15

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	83.7		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC15-SO-1-2

Sampled: 9/5/2017 14:28

Sample ID: 1710112-16

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	0.099	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:16	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:16	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:16	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:16	JMB
Aroclor-1248 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:16	JMB
Aroclor-1254 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:16	JMB
Aroclor-1260 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:16	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:16	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:16	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		86.9	30-150					9/16/17 19:16	
Decachlorobiphenyl [2]		102	30-150					9/16/17 19:16	
Tetrachloro-m-xylene [1]		94.2	30-150					9/16/17 19:16	
Tetrachloro-m-xylene [2]		89.6	30-150					9/16/17 19:16	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC15-SO-1-2

Sampled: 9/5/2017 14:28

Sample ID: 1710112-16

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	80.8		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC15-SO-1-3

Sampled: 9/5/2017 14:29

Sample ID: 1710112-17

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	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:34	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:34	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:34	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:34	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:34	JMB
Aroclor-1254 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:34	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:34	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:34	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:34	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		74.4	30-150					9/16/17 19:34	
Decachlorobiphenyl [2]		80.4	30-150					9/16/17 19:34	
Tetrachloro-m-xylene [1]		80.3	30-150					9/16/17 19:34	
Tetrachloro-m-xylene [2]		85.3	30-150					9/16/17 19:34	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC15-SO-1-3

Sampled: 9/5/2017 14:29

Sample ID: 1710112-17

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	82.6		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-42-1

Sampled: 9/5/2017 14:59

Sample ID: 1710112-18

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	9/10/17	9/16/17 19:51	JMB
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:51	JMB
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:51	JMB
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:51	JMB
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:51	JMB
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:51	JMB
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:51	JMB
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:51	JMB
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:51	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		82.7	30-150					9/16/17 19:51	
Decachlorobiphenyl [2]		89.4	30-150					9/16/17 19:51	
Tetrachloro-m-xylene [1]		92.2	30-150					9/16/17 19:51	
Tetrachloro-m-xylene [2]		93.5	30-150					9/16/17 19:51	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-42-1

Sampled: 9/5/2017 14:59

Sample ID: 1710112-18

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	93.6		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-42-2

Sampled: 9/5/2017 15:00

Sample ID: 1710112-19

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	9/10/17	9/16/17 20:09	JMB
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:09	JMB
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:09	JMB
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:09	JMB
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:09	JMB
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:09	JMB
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:09	JMB
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:09	JMB
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:09	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		62.7	30-150					9/16/17 20:09	
Decachlorobiphenyl [2]		67.8	30-150					9/16/17 20:09	
Tetrachloro-m-xylene [1]		81.2	30-150					9/16/17 20:09	
Tetrachloro-m-xylene [2]		96.9	30-150					9/16/17 20:09	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-42-2

Sampled: 9/5/2017 15:00

Sample ID: 1710112-19

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	120	110	mg/Kg dry	10		CTDEP ETPH	9/11/17	9/12/17 22:48	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		88.4	50-150					9/12/17 22:48	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-42-2

Sampled: 9/5/2017 15:00

Sample ID: 1710112-19

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	93.0		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-42-3

Sampled: 9/5/2017 15:01

Sample ID: 1710112-20

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	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:26	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:26	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:26	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:26	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:26	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:26	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:26	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:26	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:26	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		58.9	30-150					9/16/17 20:26	
Decachlorobiphenyl [2]		64.4	30-150					9/16/17 20:26	
Tetrachloro-m-xylene [1]		70.4	30-150					9/16/17 20:26	
Tetrachloro-m-xylene [2]		65.6	30-150					9/16/17 20:26	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-42-3

Sampled: 9/5/2017 15:01

Sample ID: 1710112-20

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	75.4		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-Dup47

Sampled: 9/5/2017 00:00

Sample ID: 1710112-21

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	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/11/17 18:49	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/11/17 18:49	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/11/17 18:49	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/11/17 18:49	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/11/17 18:49	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/11/17 18:49	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/11/17 18:49	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/11/17 18:49	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/11/17 18:49	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		73.6	30-150					9/11/17 18:49	
Decachlorobiphenyl [2]		89.8	30-150					9/11/17 18:49	
Tetrachloro-m-xylene [1]		83.6	30-150					9/11/17 18:49	
Tetrachloro-m-xylene [2]		77.2	30-150					9/11/17 18:49	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-Dup47

Sampled: 9/5/2017 00:00

Sample ID: 1710112-21

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	76.9		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: Equipment Blank - 61

Sampled: 9/5/2017 12:00

Sample ID: 1710112-22

Sample Matrix: Equipment Blank Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Nitrobenzene-d5		85.5	30-130					9/14/17 17:06	
2-Fluorobiphenyl		80.0	30-130					9/14/17 17:06	
p-Terphenyl-d14		80.2	30-130					9/14/17 17:06	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: Equipment Blank - 61

Sampled: 9/5/2017 12:00

Sample ID: 1710112-22

Sample Matrix: Equipment Blank Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:16	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:16	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:16	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:16	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:16	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:16	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:16	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:16	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:16	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		74.3	30-150					9/14/17 17:16	
Decachlorobiphenyl [2]		74.0	30-150					9/14/17 17:16	
Tetrachloro-m-xylene [1]		95.5	30-150					9/14/17 17:16	
Tetrachloro-m-xylene [2]		79.0	30-150					9/14/17 17:16	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: Equipment Blank - 61

Sampled: 9/5/2017 12:00

Sample ID: 1710112-22

Sample Matrix: Equipment Blank Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.075	mg/L	1		CTDEP ETPH	9/11/17	9/12/17 21:02	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		73.7	50-150					9/12/17 21:02	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: Equipment Blank - 62

Sampled: 9/5/2017 12:20

Sample ID: 1710112-23

Sample Matrix: Equipment Blank Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Nitrobenzene-d5		86.7	30-130					9/14/17 17:35	
2-Fluorobiphenyl		83.4	30-130					9/14/17 17:35	
p-Terphenyl-d14		81.6	30-130					9/14/17 17:35	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: Equipment Blank - 62

Sampled: 9/5/2017 12:20

Sample ID: 1710112-23

Sample Matrix: Equipment Blank Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:28	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:28	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:28	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:28	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:28	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:28	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:28	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:28	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:28	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.5	30-150					9/14/17 17:28	
Decachlorobiphenyl [2]		79.1	30-150					9/14/17 17:28	
Tetrachloro-m-xylene [1]		104	30-150					9/14/17 17:28	
Tetrachloro-m-xylene [2]		79.6	30-150					9/14/17 17:28	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710112

Date Received: 9/5/2017

Field Sample #: Equipment Blank - 62

Sampled: 9/5/2017 12:20

Sample ID: 1710112-23

Sample Matrix: Equipment Blank Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.075	mg/L	1		CTDEP ETPH	9/11/17	9/12/17 21:20	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		81.8	50-150					9/12/17 21:20	

Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0112-01 [WS-AOC12E-SO-5-1]	B185921	30.0	1.00	09/11/17
17I0112-03 [WS-AOC12E-SO-17-1]	B185921	30.0	1.00	09/11/17
17I0112-06 [WS-AOC12E-SO-35-1]	B185921	30.0	2.00	09/11/17
17I0112-10 [WS-AOC12E-SO-21-2]	B185921	30.0	1.00	09/11/17
17I0112-13 [WS-AOC12E-SO-25-2]	B185921	30.0	1.00	09/11/17
17I0112-15 [WS-AOC15-SO-1-1]	B185921	30.0	1.00	09/11/17
17I0112-19 [WS-AOC12E-SO-42-2]	B185921	30.0	1.00	09/11/17

Prep Method: SW-846 3510C-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17I0112-22 [Equipment Blank - 61]	B185892	1000	1.00	09/11/17
17I0112-23 [Equipment Blank - 62]	B185892	1000	1.00	09/11/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17I0112-01 [WS-AOC12E-SO-5-1]	B185594	09/06/17
17I0112-02 [WS-AOC12E-SO-5-2]	B185594	09/06/17
17I0112-03 [WS-AOC12E-SO-17-1]	B185594	09/06/17
17I0112-04 [WS-AOC12E-SO-17-2]	B185594	09/06/17
17I0112-05 [WS-AOC12E-SO-17-3]	B185594	09/06/17
17I0112-06 [WS-AOC12E-SO-35-1]	B185594	09/06/17
17I0112-07 [WS-AOC12E-SO-35-2]	B185594	09/06/17
17I0112-08 [WS-AOC12E-SO-35-3]	B185594	09/06/17
17I0112-09 [WS-AOC12E-SO-21-1]	B185594	09/06/17
17I0112-10 [WS-AOC12E-SO-21-2]	B185594	09/06/17
17I0112-11 [WS-AOC12E-SO-21-3]	B185594	09/06/17
17I0112-12 [WS-AOC12E-SO-25-1]	B185594	09/06/17
17I0112-13 [WS-AOC12E-SO-25-2]	B185594	09/06/17
17I0112-14 [WS-AOC12E-SO-25-3]	B185594	09/06/17
17I0112-15 [WS-AOC15-SO-1-1]	B185594	09/06/17
17I0112-16 [WS-AOC15-SO-1-2]	B185594	09/06/17
17I0112-17 [WS-AOC15-SO-1-3]	B185594	09/06/17
17I0112-18 [WS-AOC12E-SO-42-1]	B185594	09/06/17
17I0112-19 [WS-AOC12E-SO-42-2]	B185594	09/06/17
17I0112-20 [WS-AOC12E-SO-42-3]	B185594	09/06/17
17I0112-21 [WS-AOC12E-SO-Dup47]	B185594	09/06/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0112-21 [WS-AOC12E-SO-Dup47]	B185830	10.0	10.0	09/08/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0112-01 [WS-AOC12E-SO-5-1]	B185867	10.0	10.0	09/10/17
17I0112-02 [WS-AOC12E-SO-5-2]	B185867	10.0	10.0	09/10/17
17I0112-03 [WS-AOC12E-SO-17-1]	B185867	10.0	10.0	09/10/17

Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0112-04 [WS-AOC12E-SO-17-2]	B185867	10.0	10.0	09/10/17
17I0112-05 [WS-AOC12E-SO-17-3]	B185867	10.1	10.0	09/10/17
17I0112-06 [WS-AOC12E-SO-35-1]	B185867	10.1	10.0	09/10/17
17I0112-07 [WS-AOC12E-SO-35-2]	B185867	10.1	10.0	09/10/17
17I0112-08 [WS-AOC12E-SO-35-3]	B185867	10.0	10.0	09/10/17
17I0112-09 [WS-AOC12E-SO-21-1]	B185867	10.2	10.0	09/10/17
17I0112-10 [WS-AOC12E-SO-21-2]	B185867	10.2	10.0	09/10/17
17I0112-11 [WS-AOC12E-SO-21-3]	B185867	10.2	10.0	09/10/17
17I0112-12 [WS-AOC12E-SO-25-1]	B185867	10.4	10.0	09/10/17
17I0112-13 [WS-AOC12E-SO-25-2]	B185867	10.0	10.0	09/10/17
17I0112-14 [WS-AOC12E-SO-25-3]	B185867	10.5	10.0	09/10/17
17I0112-15 [WS-AOC15-SO-1-1]	B185867	10.1	10.0	09/10/17
17I0112-16 [WS-AOC15-SO-1-2]	B185867	10.0	10.0	09/10/17
17I0112-17 [WS-AOC15-SO-1-3]	B185867	10.0	10.0	09/10/17
17I0112-18 [WS-AOC12E-SO-42-1]	B185867	10.0	10.0	09/10/17
17I0112-19 [WS-AOC12E-SO-42-2]	B185867	10.1	10.0	09/10/17
17I0112-20 [WS-AOC12E-SO-42-3]	B185867	10.4	10.0	09/10/17

Prep Method: SW-846 3510C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17I0112-22 [Equipment Blank - 61]	B185890	1000	10.0	09/11/17
17I0112-23 [Equipment Blank - 62]	B185890	1000	10.0	09/11/17

Prep Method: SW-846 3546-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0112-07 [WS-AOC12E-SO-35-2]	B185922	30.0	2.00	09/11/17
17I0112-09 [WS-AOC12E-SO-21-1]	B185922	30.0	1.00	09/11/17

Prep Method: SW-846 3510C-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17I0112-22 [Equipment Blank - 61]	B185977	1000	1.00	09/12/17
17I0112-23 [Equipment Blank - 62]	B185977	1000	1.00	09/12/17

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QUALITY CONTROL

Semivolatile 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 B185922 - SW-846 3546

Blank (B185922-BLK1)

Prepared: 09/11/17 Analyzed: 09/12/17

Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
Surrogate: Nitrobenzene-d5	2.10		mg/Kg wet	3.33		63.1	30-130			
Surrogate: 2-Fluorobiphenyl	2.35		mg/Kg wet	3.33		70.6	30-130			
Surrogate: p-Terphenyl-d14	2.99		mg/Kg wet	3.33		89.8	30-130			

LCS (B185922-BS1)

Prepared: 09/11/17 Analyzed: 09/12/17

Acenaphthene	0.960	0.17	mg/Kg wet	1.67		57.6	40-140			
Acenaphthylene	0.963	0.17	mg/Kg wet	1.67		57.8	40-140			
Anthracene	1.05	0.17	mg/Kg wet	1.67		63.1	40-140			
Benzo(a)anthracene	1.12	0.17	mg/Kg wet	1.67		67.1	40-140			
Benzo(a)pyrene	1.08	0.17	mg/Kg wet	1.67		65.0	40-140			
Benzo(b)fluoranthene	1.03	0.17	mg/Kg wet	1.67		61.7	40-140			
Benzo(g,h,i)perylene	0.926	0.17	mg/Kg wet	1.67		55.6	40-140			
Benzo(k)fluoranthene	1.03	0.17	mg/Kg wet	1.67		61.9	40-140			
Chrysene	1.05	0.17	mg/Kg wet	1.67		62.8	40-140			
Dibenz(a,h)anthracene	1.03	0.17	mg/Kg wet	1.67		61.7	40-140			
Fluoranthene	1.06	0.17	mg/Kg wet	1.67		63.5	40-140			
Fluorene	1.02	0.17	mg/Kg wet	1.67		61.5	40-140			
Indeno(1,2,3-cd)pyrene	1.02	0.17	mg/Kg wet	1.67		60.9	40-140			
2-Methylnaphthalene	1.06	0.17	mg/Kg wet	1.67		63.4	40-140			
Naphthalene	0.987	0.17	mg/Kg wet	1.67		59.2	40-140			
Phenanthrene	1.05	0.17	mg/Kg wet	1.67		63.2	40-140			
Pyrene	1.06	0.17	mg/Kg wet	1.67		63.7	40-140			
Surrogate: Nitrobenzene-d5	2.22		mg/Kg wet	3.33		66.5	30-130			
Surrogate: 2-Fluorobiphenyl	2.46		mg/Kg wet	3.33		73.7	30-130			
Surrogate: p-Terphenyl-d14	2.62		mg/Kg wet	3.33		78.7	30-130			

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QUALITY CONTROL

Semivolatile 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 B185922 - SW-846 3546

LCS Dup (B185922-BSD1)

Prepared: 09/11/17 Analyzed: 09/12/17

Acenaphthene	1.04	0.17	mg/Kg wet	1.67		62.5	40-140	8.16	30	
Acenaphthylene	1.04	0.17	mg/Kg wet	1.67		62.6	40-140	8.07	30	
Anthracene	1.12	0.17	mg/Kg wet	1.67		67.5	40-140	6.77	30	
Benzo(a)anthracene	1.20	0.17	mg/Kg wet	1.67		72.0	40-140	7.16	30	
Benzo(a)pyrene	1.16	0.17	mg/Kg wet	1.67		69.3	40-140	6.34	30	
Benzo(b)fluoranthene	1.12	0.17	mg/Kg wet	1.67		67.5	40-140	8.88	30	
Benzo(g,h,i)perylene	1.07	0.17	mg/Kg wet	1.67		64.3	40-140	14.5	30	
Benzo(k)fluoranthene	1.12	0.17	mg/Kg wet	1.67		67.2	40-140	8.21	30	
Chrysene	1.13	0.17	mg/Kg wet	1.67		67.6	40-140	7.42	30	
Dibenz(a,h)anthracene	1.10	0.17	mg/Kg wet	1.67		66.2	40-140	6.94	30	
Fluoranthene	1.14	0.17	mg/Kg wet	1.67		68.2	40-140	7.20	30	
Fluorene	1.10	0.17	mg/Kg wet	1.67		66.3	40-140	7.58	30	
Indeno(1,2,3-cd)pyrene	1.09	0.17	mg/Kg wet	1.67		65.5	40-140	7.31	30	
2-Methylnaphthalene	1.18	0.17	mg/Kg wet	1.67		71.0	40-140	11.3	30	
Naphthalene	1.09	0.17	mg/Kg wet	1.67		65.5	40-140	10.0	30	
Phenanthrene	1.15	0.17	mg/Kg wet	1.67		69.0	40-140	8.74	30	
Pyrene	1.16	0.17	mg/Kg wet	1.67		69.7	40-140	9.00	30	
Surrogate: Nitrobenzene-d5	2.46		mg/Kg wet	3.33		73.7	30-130			
Surrogate: 2-Fluorobiphenyl	2.69		mg/Kg wet	3.33		80.6	30-130			
Surrogate: p-Terphenyl-d14	2.85		mg/Kg wet	3.33		85.5	30-130			

Batch B185977 - SW-846 3510C

Blank (B185977-BLK1)

Prepared: 09/12/17 Analyzed: 09/13/17

Acenaphthene (SIM)	ND	0.30	µg/L							
Acenaphthylene (SIM)	ND	0.30	µg/L							
Anthracene (SIM)	ND	0.20	µg/L							
Benzo(a)anthracene (SIM)	ND	0.050	µg/L							
Benzo(a)pyrene (SIM)	ND	0.10	µg/L							
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L							
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L							
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L							
Chrysene (SIM)	ND	0.20	µg/L							
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L							
Fluoranthene (SIM)	ND	0.50	µg/L							
Fluorene (SIM)	ND	1.0	µg/L							
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L							
2-Methylnaphthalene (SIM)	ND	1.0	µg/L							
Naphthalene (SIM)	ND	1.0	µg/L							
Phenanthrene (SIM)	ND	0.050	µg/L							
Pyrene (SIM)	ND	1.0	µg/L							
Surrogate: Nitrobenzene-d5	87.6		µg/L	100		87.6	30-130			
Surrogate: 2-Fluorobiphenyl	85.2		µg/L	100		85.2	30-130			
Surrogate: p-Terphenyl-d14	82.4		µg/L	100		82.4	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185977 - SW-846 3510C										
LCS (B185977-BS1)										
					Prepared: 09/12/17 Analyzed: 09/13/17					
Acenaphthene (SIM)	44.1	7.5	µg/L	50.0		88.2	40-140			
Acenaphthylene (SIM)	43.3	7.5	µg/L	50.0		86.6	40-140			
Anthracene (SIM)	46.5	5.0	µg/L	50.0		93.0	40-140			
Benzo(a)anthracene (SIM)	46.9	1.2	µg/L	50.0		93.8	40-140			
Benzo(a)pyrene (SIM)	48.5	2.5	µg/L	50.0		97.0	40-140			
Benzo(b)fluoranthene (SIM)	48.3	1.2	µg/L	50.0		96.6	40-140			
Benzo(g,h,i)perylene (SIM)	46.6	12	µg/L	50.0		93.3	40-140			
Benzo(k)fluoranthene (SIM)	46.8	5.0	µg/L	50.0		93.5	40-140			
Chrysene (SIM)	46.8	5.0	µg/L	50.0		93.6	40-140			
Dibenz(a,h)anthracene (SIM)	45.5	5.0	µg/L	50.0		91.0	40-140			
Fluoranthene (SIM)	45.6	12	µg/L	50.0		91.2	40-140			
Fluorene (SIM)	44.5	25	µg/L	50.0		89.0	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	46.9	5.0	µg/L	50.0		93.8	40-140			
2-Methylnaphthalene (SIM)	41.6	25	µg/L	50.0		83.2	40-140			
Naphthalene (SIM)	40.2	25	µg/L	50.0		80.4	40-140			
Phenanthrene (SIM)	45.1	1.2	µg/L	50.0		90.2	40-140			
Pyrene (SIM)	46.9	25	µg/L	50.0		93.8	40-140			
Surrogate: Nitrobenzene-d5	92.6		µg/L	100		92.6	30-130			
Surrogate: 2-Fluorobiphenyl	93.5		µg/L	100		93.5	30-130			
Surrogate: p-Terphenyl-d14	74.5		µg/L	100		74.5	30-130			
LCS Dup (B185977-BSD1)										
					Prepared: 09/12/17 Analyzed: 09/13/17					
Acenaphthene (SIM)	48.9	7.5	µg/L	50.0		97.8	40-140	10.2	20	
Acenaphthylene (SIM)	47.9	7.5	µg/L	50.0		95.8	40-140	10.0	20	
Anthracene (SIM)	51.2	5.0	µg/L	50.0		102	40-140	9.72	20	
Benzo(a)anthracene (SIM)	51.8	1.2	µg/L	50.0		104	40-140	10.0	20	
Benzo(a)pyrene (SIM)	53.8	2.5	µg/L	50.0		108	40-140	10.4	20	
Benzo(b)fluoranthene (SIM)	54.4	1.2	µg/L	50.0		109	40-140	12.0	20	
Benzo(g,h,i)perylene (SIM)	51.4	12	µg/L	50.0		103	40-140	9.59	20	
Benzo(k)fluoranthene (SIM)	52.5	5.0	µg/L	50.0		105	40-140	11.6	20	
Chrysene (SIM)	51.9	5.0	µg/L	50.0		104	40-140	10.2	20	
Dibenz(a,h)anthracene (SIM)	50.3	5.0	µg/L	50.0		101	40-140	10.0	20	
Fluoranthene (SIM)	49.9	12	µg/L	50.0		99.8	40-140	9.11	20	
Fluorene (SIM)	48.9	25	µg/L	50.0		97.8	40-140	9.47	20	
Indeno(1,2,3-cd)pyrene (SIM)	51.4	5.0	µg/L	50.0		103	40-140	9.21	20	
2-Methylnaphthalene (SIM)	45.6	25	µg/L	50.0		91.3	40-140	9.28	20	
Naphthalene (SIM)	44.4	25	µg/L	50.0		88.8	40-140	9.93	20	
Phenanthrene (SIM)	50.4	1.2	µg/L	50.0		101	40-140	11.0	20	
Pyrene (SIM)	53.0	25	µg/L	50.0		106	40-140	12.2	20	
Surrogate: Nitrobenzene-d5	98.4		µg/L	100		98.4	30-130			
Surrogate: 2-Fluorobiphenyl	99.8		µg/L	100		99.8	30-130			
Surrogate: p-Terphenyl-d14	86.0		µg/L	100		86.0	30-130			

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
Batch B185890 - SW-846 3510C										
Blank (B185890-BLK1)										
Prepared: 09/11/17 Analyzed: 09/14/17										
Aroclor-1016	ND	0.20	µg/L							
Aroclor-1016 [2C]	ND	0.20	µg/L							
Aroclor-1221	ND	0.20	µg/L							
Aroclor-1221 [2C]	ND	0.20	µg/L							
Aroclor-1232	ND	0.20	µg/L							
Aroclor-1232 [2C]	ND	0.20	µg/L							
Aroclor-1242	ND	0.20	µg/L							
Aroclor-1242 [2C]	ND	0.20	µg/L							
Aroclor-1248	ND	0.20	µg/L							
Aroclor-1248 [2C]	ND	0.20	µg/L							
Aroclor-1254	ND	0.20	µg/L							
Aroclor-1254 [2C]	ND	0.20	µg/L							
Aroclor-1260	ND	0.20	µg/L							
Aroclor-1260 [2C]	ND	0.20	µg/L							
Aroclor-1262	ND	0.20	µg/L							
Aroclor-1262 [2C]	ND	0.20	µg/L							
Aroclor-1268	ND	0.20	µg/L							
Aroclor-1268 [2C]	ND	0.20	µg/L							
Surrogate: Decachlorobiphenyl	1.96		µg/L	2.00		98.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.76		µg/L	2.00		88.2	30-150			
Surrogate: Tetrachloro-m-xylene	2.18		µg/L	2.00		109	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.68		µg/L	2.00		83.9	30-150			
LCS (B185890-BS1)										
Prepared: 09/11/17 Analyzed: 09/14/17										
Aroclor-1016	0.50	0.20	µg/L	0.500		99.5	40-140			
Aroclor-1016 [2C]	0.52	0.20	µg/L	0.500		103	40-140			
Aroclor-1260	0.47	0.20	µg/L	0.500		93.7	40-140			
Aroclor-1260 [2C]	0.51	0.20	µg/L	0.500		102	40-140			
Surrogate: Decachlorobiphenyl	2.02		µg/L	2.00		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.80		µg/L	2.00		89.8	30-150			
Surrogate: Tetrachloro-m-xylene	2.12		µg/L	2.00		106	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.63		µg/L	2.00		81.6	30-150			
LCS Dup (B185890-BSD1)										
Prepared: 09/11/17 Analyzed: 09/14/17										
Aroclor-1016	0.50	0.20	µg/L	0.500		100	40-140	0.547	20	
Aroclor-1016 [2C]	0.51	0.20	µg/L	0.500		103	40-140	0.515	20	
Aroclor-1260	0.46	0.20	µg/L	0.500		91.9	40-140	1.95	20	
Aroclor-1260 [2C]	0.50	0.20	µg/L	0.500		100	40-140	2.01	20	
Surrogate: Decachlorobiphenyl	1.85		µg/L	2.00		92.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.67		µg/L	2.00		83.6	30-150			
Surrogate: Tetrachloro-m-xylene	2.13		µg/L	2.00		107	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.65		µg/L	2.00		82.3	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
Batch B185830 - SW-846 3540C										
Blank (B185830-BLK1)										
Prepared: 09/08/17 Analyzed: 09/10/17										
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		95.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.213		mg/Kg wet	0.200		106	30-150			
Surrogate: Tetrachloro-m-xylene	0.154		mg/Kg wet	0.200		77.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.177		mg/Kg wet	0.200		88.3	30-150			
LCS (B185830-BS1)										
Prepared: 09/08/17 Analyzed: 09/10/17										
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		85.6	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		95.6	40-140			
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		74.9	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		80.8	40-140			
Surrogate: Decachlorobiphenyl	0.177		mg/Kg wet	0.200		88.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.197		mg/Kg wet	0.200		98.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.142		mg/Kg wet	0.200		71.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.164		mg/Kg wet	0.200		81.8	30-150			
LCS Dup (B185830-BSD1)										
Prepared: 09/08/17 Analyzed: 09/10/17										
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		90.5	40-140	5.57	30	
Aroclor-1016 [2C]	0.21	0.020	mg/Kg wet	0.200		103	40-140	7.04	30	
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		77.4	40-140	3.31	30	
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		86.6	40-140	6.84	30	
Surrogate: Decachlorobiphenyl	0.179		mg/Kg wet	0.200		89.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.199		mg/Kg wet	0.200		99.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.157		mg/Kg wet	0.200		78.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.182		mg/Kg wet	0.200		91.0	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
Batch B185867 - SW-846 3540C										
Blank (B185867-BLK1)										
Prepared: 09/10/17 Analyzed: 09/16/17										
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		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.182		mg/Kg wet	0.200		90.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.208		mg/Kg wet	0.200		104	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.155		mg/Kg wet	0.200		77.3	30-150			
LCS (B185867-BS1)										
Prepared: 09/10/17 Analyzed: 09/16/17										
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		87.8	40-140			
Aroclor-1016 [2C]	0.16	0.020	mg/Kg wet	0.200		80.3	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		78.3	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		78.6	40-140			
Surrogate: Decachlorobiphenyl	0.200		mg/Kg wet	0.200		99.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.178		mg/Kg wet	0.200		89.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.203		mg/Kg wet	0.200		102	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.148		mg/Kg wet	0.200		74.0	30-150			
LCS Dup (B185867-BSD1)										
Prepared: 09/10/17 Analyzed: 09/16/17										
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		81.8	40-140	7.09	30	
Aroclor-1016 [2C]	0.15	0.020	mg/Kg wet	0.200		76.3	40-140	5.16	30	
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		76.6	40-140	2.21	30	
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		77.3	40-140	1.68	30	
Surrogate: Decachlorobiphenyl	0.195		mg/Kg wet	0.200		97.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.176		mg/Kg wet	0.200		88.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.203		mg/Kg wet	0.200		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.151		mg/Kg wet	0.200		75.4	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
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Batch B185867 - SW-846 3540C

Matrix Spike (B185867-MS1)

Source: 17I0112-05

Prepared: 09/10/17 Analyzed: 09/16/17

Aroclor-1016	0.19	0.090	mg/Kg dry	0.225	ND	84.1	40-140			
Aroclor-1016 [2C]	0.18	0.090	mg/Kg dry	0.225	ND	81.5	40-140			
Aroclor-1260	0.14	0.090	mg/Kg dry	0.225	ND	62.6	40-140			
Aroclor-1260 [2C]	0.15	0.090	mg/Kg dry	0.225	ND	65.7	40-140			
Surrogate: Decachlorobiphenyl	0.158		mg/Kg dry	0.225		70.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.172		mg/Kg dry	0.225		76.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.196		mg/Kg dry	0.225		86.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.203		mg/Kg dry	0.225		90.2	30-150			

Matrix Spike Dup (B185867-MSD1)

Source: 17I0112-05

Prepared: 09/10/17 Analyzed: 09/16/17

Aroclor-1016	0.24	0.091	mg/Kg dry	0.228	ND	106	40-140	23.7	50	
Aroclor-1016 [2C]	0.22	0.091	mg/Kg dry	0.228	ND	96.4	40-140	17.7	50	
Aroclor-1260	0.17	0.091	mg/Kg dry	0.228	ND	76.4	40-140	20.8	50	
Aroclor-1260 [2C]	0.18	0.091	mg/Kg dry	0.228	ND	80.3	40-140	21.0	50	
Surrogate: Decachlorobiphenyl	0.193		mg/Kg dry	0.228		84.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.209		mg/Kg dry	0.228		91.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.224		mg/Kg dry	0.228		98.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.239		mg/Kg dry	0.228		105	30-150			

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

QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185892 - SW-846 3510C										
Blank (B185892-BLK1)										
Prepared: 09/11/17 Analyzed: 09/12/17										
CT ETPH	ND	0.075	mg/L							
Surrogate: o-Terphenyl	0.0784		mg/L	0.100		78.4	50-150			
LCS (B185892-BS1)										
Prepared: 09/11/17 Analyzed: 09/12/17										
CT ETPH	0.633	0.075	mg/L	1.00		63.3	60-120			
Surrogate: o-Terphenyl	0.0709		mg/L	0.100		70.9	50-150			
LCS Dup (B185892-BSD1)										
Prepared: 09/11/17 Analyzed: 09/12/17										
CT ETPH	0.663	0.075	mg/L	1.00		66.3	60-120	4.71	30	
Surrogate: o-Terphenyl	0.0745		mg/L	0.100		74.5	50-150			
Batch B185921 - SW-846 3546										
Blank (B185921-BLK1)										
Prepared: 09/11/17 Analyzed: 09/12/17										
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	2.52		mg/Kg wet	3.33		75.6	50-150			
LCS (B185921-BS1)										
Prepared: 09/11/17 Analyzed: 09/12/17										
CT ETPH	20.3	10	mg/Kg wet	33.3		61.0	60-120			
Surrogate: o-Terphenyl	2.40		mg/Kg wet	3.33		72.0	50-150			
LCS Dup (B185921-BSD1)										
Prepared: 09/11/17 Analyzed: 09/12/17										
CT ETPH	21.6	10	mg/Kg wet	33.3		64.8	60-120	6.10	30	
Surrogate: o-Terphenyl	2.51		mg/Kg wet	3.33		75.4	50-150			
Matrix Spike (B185921-MS1)										
Source: 17I0112-03 Prepared: 09/11/17 Analyzed: 09/12/17										
CT ETPH	242	56	mg/Kg dry	37.3	261	-50.1 *	50-150			MS-07A
Surrogate: o-Terphenyl	2.44		mg/Kg dry	3.73		65.3	50-150			
Matrix Spike Dup (B185921-MSD1)										
Source: 17I0112-03 Prepared: 09/11/17 Analyzed: 09/12/17										
CT ETPH	259	56	mg/Kg dry	37.3	261	-5.38 *	50-150	6.66	30	MS-07A
Surrogate: o-Terphenyl	2.47		mg/Kg dry	3.73		66.2	50-150			

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
Batch B185594 - % Solids										
Duplicate (B185594-DUP5)	Source: 17I0112-01			Prepared: 09/06/17 Analyzed: 09/07/17						
% Solids	78.8		% Wt			81.9		3.86	20	
Duplicate (B185594-DUP6)	Source: 17I0112-02			Prepared: 09/06/17 Analyzed: 09/07/17						
% Solids	81.2		% Wt			83.0		2.19	20	

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
DL	Method Detection Limit
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-07A	Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.
RL-12	Elevated reporting limit due to matrix interference.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
CTDEP ETPH in Water	
CT ETPH	CT
SW-846 8082A in Soil	
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
SW-846 8082A in Water	
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
SW-846 8270D in Soil	
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Anthracene	CT,NY,NH,ME,NC,VA

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8270D in Soil</i>	
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA
Benzo(k)fluoranthene	CT,NY,NH,ME,NC,VA
Chrysene	CT,NY,NH,ME,NC,VA
Dibenz(a,h)anthracene	CT,NY,NH,ME,NC,VA
Fluoranthene	CT,NY,NH,ME,NC,VA
Fluorene	CT,NY,NH,ME,NC,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NH,ME,NC,VA
2-Methylnaphthalene	CT,NY,NH,ME,NC,VA
Naphthalene	CT,NY,NH,ME,NC,VA
Phenanthrene	CT,NY,NH,ME,NC,VA
Pyrene	CT,NY,NH,ME,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	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
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	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

CHAIN OF CUSTODY RECORD

1710112

Phone: 413-525-2332
Fax: 413-525-6405

Email: info@contestlabs.com

Company Name: Weston & Sampson Engineers

Address: 273 Dividend Rd Rocky Hill, CT

Phone: 860 513-1473

Project Name: English Station

Project Location: 510 Grand Ave, New Haven, CT

Project Number: 2170495

Project Manager: Malcolm Beeler

Con-Test Bid:

Invoice Recipient: Malcolm Beeler (Weston & Sampson)

Sampled By: Chris Berthiaume /Will Sirotnak

Requested Turnaround Time
 7-Day 10-Day
 Other: 5-day

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

Data Delivery
 Format: PDF EXCEL

Enhanced Data Package Required:
 Email To: beelerm@wseinc.com
 Fax To #:

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1	WS-ADC12E-SO-5-1	9/5/17	1330		X	S	V
2	WS-ADC12E-SO-5-2		1331				
3	WS-ADC12E-SO-17-1		1340				
4	WS-ADC12E-SO-17-2		1341				
5	WS-ADC12E-SO-17-3		1342				
6	WS-ADC12E-SO-35-1		1403				
7	WS-ADC12E-SO-35-2		1404				
8	WS-ADC12E-SO-35-3		1405				
9	WS-ADC12E-SO-21-1		1406				
10	WS-ADC12E-SO-21-2		1407				

ANALYSIS REQUESTED

Matrix Code	Conc Code	Grab	Composite	Ending Date/Time
GW	V			1330
WW				1331
DW				1340
A				1341
S				1342
SL				1403
O				1404
O				1405
O				1406
O				1407

Handwritten notes in table:
 Row 1: PCBs (total)
 Row 2: ETOH
 Row 3: PAHs

Comments:

Please hold excess volumes for possible SPLP 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

1 Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
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)

Program Information

MCP Analytical Certification Form Required
 RCP Analytical Certification Form Required
 MA State DW Form Required
 PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

Requested Turnaround Time
 7-Day 10-Day 5-day
 Other: _____

Rush-Approval Required
 1-Day 3-Day 4-Day 5-day

Data Delivery
 Format: PDF EXCEL
 Other: _____

Enhanced Data Package Required:
 Email To: beeler@wseinc.com
 Fax To #: _____

Company Name: Weston & Sampson Engineers
 Address: 273 Dividend Rd Rocky Hill, CT
 Phone: 860 513-1473

Project Name: English Station
 Project Location: 510 Grand Ave, New Haven, CT
 Project Number: 2170495
 Project Manager: Malcolm Beeler

Con-Test Bid: _____

Invoice Recipient: Malcolm Beeler (Weston & Sampson)
Sampled By: Chris Berthiaume/Will Sirotnak

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
11	WS-AOC12E50-21-3	9/5/17	1402		X	S	U
12	WS-AOC12E-50-25-1		1414				
13	WS-AOC12E-50-25-2		1415				
14	WS-AOC12E-50-25-3		1416				
15	WS-AOC15-50-1-1		1427				
16	WS-AOC15-50-1-2		1428				
17	WS-AOC15-50-1-3		1429				
18	WS-AOC12E-50-42-1		1459				
19	WS-AOC12E-50-42-2		1500				
20	WS-AOC12E-50-42-3		1501				

Comments: _____

Please hold excess volumes for possible SPLP analyses.

Relinquished by: (signature)	Date/Time	Detection Limit Requirements
<i>[Signature]</i>	9/5/17	MA
<i>[Signature]</i>	9/15/17 7:56	
<i>[Signature]</i>	9/17/17 4:40	GT
<i>[Signature]</i>	9/17/17 16:40	Other: _____
<i>[Signature]</i>		
<i>[Signature]</i>		

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/Solid
 SL = Sludge
 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)

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

Program Information

MCP Analytical Certification Form Required
 RCP Analytical Certification Form Required
 MA State DW Form Required
 PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

Company Name: con-test ANALYTICAL LABORATORY
Address: 273 Dividend Rd Rckoy Hill, CT
Phone: 860 513-1473
Project Name: English Station
Project Location: 510 Grand Ave, New Haven, CT
Project Number: 2170495
Project Manager: Malcolm Beeler
Con-Test Bid:
Invoice Recipient: Malcolm Beeler (Weston & Sampson)
Sampled By: Chris Berthlaume / Will Sirotnak

Requested Turnaround Time
7-Day 10-Day
Other: 5-day
Rush-Approval Required
1-Day 3-Day
2-Day 4-Day
Data Delivery
Format: PDF EXCEL
Other: _____
Enhanced Data Package Required:
Email To: beelerm@owseinc.com
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

1 Matrix Codes:
GW = Ground Water
WW = Waste Water
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2 Preservation Codes:
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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

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
21	MS-ABGEE-SP-Dup 479/5/17			X		S	C
22	Equipment Blank-61	1200		X		W	C
23	Equipment Blank-62	1220		X		W	C

PHH
ETHH
PCBs (suxhlef)
X X X X X X X X
X X X X X X X X

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:

Please hold excess volumes for possible SPLP analyses.

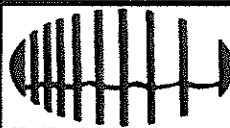
Relinquished by: (signature) [Signature] 9/15/17
Received by: (signature) [Signature] 9/15/17 1515
Relinquished by: (signature) [Signature] 9/15/17 1440
Received by: (signature) [Signature] 9/15/17 1630
Relinquished by: (signature) [Signature] 9/15/17 1630
Received by: (signature) [Signature]

Program Information
 MCP Analytical Certification Form Required
 RCP Analytical Certification Form Required
 MA State DW Form Required
PWSID # _____
NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

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39 Spruce St.
 East Longmeadow, MA. 01028
 P: 413-525-2332
 F: 413-525-6405
 www.contestlabs.com



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 JM Date 9/5/17 Time 1640
 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 # 1 Actual Temp - 3.3, 3.7
 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 Who was notified? _____
 Are there Rushes? N/A Who was notified? _____
 Are there Short Holds? N/A Who was notified? _____
 Is there enough Volume? T
 Is there Headspace where applicable? N/A MS/MSD? N/A
 Proper Media/Containers Used? T Is splitting samples required? N/A
 Were trip blanks received? N/A On COC? N/A
 Do all samples have the proper pH? N/A Acid _____ Base _____

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.	<u>6</u>	1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		8oz <u>Amb/Clear</u>
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:

D:\HPCHEM\1\DATA\A091217.SEC\A0912007.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/12/17
 Data File Name A0912007.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	579219	601921	-4
c - 10	1.62	584624	601921	-3
c - 12	2.35	601930	601921	0
c - 14	3.01	613611	601921	2
c - 16	3.61	626238	601921	4
c - 18	4.23	617049	601921	3
o-Terphenyl	4.51	684250	601921	
c - 20	4.83	622766	601921	3
c - 22	5.34	629203	601921	5
c - 24	5.77	583868	601921	-3
c - 26	6.16	611957	601921	2
c - 28	6.52	601941	601921	0
c - 30	6.85	596395	601921	-1
c - 32	7.16	582912	601921	-3
c - 34	7.46	587710	601921	-2
c - 36	7.77	589388	601921	-2

* One compound allowed %D <= 50%

Samples
 17H1675-17

D:\HPCHEM\1\DATA\A091217.SEC\A0912039.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/12/17
 Data File Name A0912039.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	603049	629027	-4
c - 10	1.62	609325	629027	-3
c - 12	2.35	625871	629027	-1
c - 14	3.01	638455	629027	1
c - 16	3.61	652226	629027	4
c - 18	4.23	642382	629027	2
o-Terphenyl	4.51	713285	629027	
c - 20	4.83	648093	629027	3
c - 22	5.34	655317	629027	4
c - 24	5.77	608772	629027	-3
c - 26	6.16	639161	629027	2
c - 28	6.52	629708	629027	0
c - 30	6.85	627878	629027	0
c - 32	7.16	615300	629027	-2
c - 34	7.45	619133	629027	-2
c - 36	7.77	620740	629027	-1

* One compound allowed %D <= 50%

Samples
 17I0112-22
 17I0112-23
 17I0137-01
 17H1672-11

D:\HPCHEM\1\DATA\A091217\A0912006.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/12/17
 Data File Name A0912006.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	501479	538055	-7
c - 10	1.64	508127	538055	-6
c - 12	2.37	526410	538055	-2
c - 14	3.05	540261	538055	0
c - 16	3.65	553396	538055	3
c - 18	4.29	547821	538055	2
o-Terphenyl	4.57	606869	538055	
c - 20	4.89	555426	538055	3
c - 22	5.39	565503	538055	5
c - 24	5.83	528778	538055	-2
c - 26	6.23	558205	538055	4
c - 28	6.59	551574	538055	3
c - 30	6.92	544804	538055	1
c - 32	7.24	528926	538055	-2
c - 34	7.53	529626	538055	-2
c - 36	7.88	530490	538055	-1

* One compound allowed %D <= 50%

Samples

17H1672-02
 17H1672-03
 17H1672-04
 17H1672-08
 17H1672-12
 17H1672-14
 17H1672-16
 17I0112-13
 17H1672-05

D:\HPCHEM\1\DATA\A091217\A0912038.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/12/17
 Data File Name A0912038.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	500546	539610	-7
c - 10	1.64	508067	539610	-6
c - 12	2.37	526540	539610	-2
c - 14	3.04	540306	539610	0
c - 16	3.65	554002	539610	3
c - 18	4.29	549170	539610	2
o-Terphenyl	4.57	609352	539610	
c - 20	4.89	557450	539610	3
c - 22	5.39	567557	539610	5
c - 24	5.83	530516	539610	-2
c - 26	6.23	560292	539610	4
c - 28	6.59	553131	539610	3
c - 30	6.92	548526	539610	2
c - 32	7.23	532844	539610	-1
c - 34	7.53	532454	539610	-1
c - 36	7.87	532753	539610	-1

* One compound allowed %D <= 50%

Samples

17I0112-06
 17I0112-03
 17I0112-10
 17I0112-15
 17I0112-19
 17I0297-01
 17H1672-01
 17H1672-09
 17I0112-01



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: 510 Grand Ave., New Haven, CT

Project Number: 17I0112

Laboratory Sample ID(s):

Sample Date(s):

17I0112-01 thru 17I0112-23

09/05/2017

List RCP Methods Used:

CTDEP ETPH, SW-846 8082A, SW-846 8270D

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 checked="" type="checkbox"/> Yes <input 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	<input checked="" type="checkbox"/> Yes <input 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."

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:

Position: Project Manager

Printed Name: Lisa A. Worthington

Date: 09/18/17

Name of Laboratory: Con-Test Analytical Laboratory

This certification form is to be used for RCP methods only.

September 19, 2017

Malcolm Beeler
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: 510 Grand Ave., New Haven, CT
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17I0172

Enclosed are results of analyses for samples received by the laboratory on September 6, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "James Georgantas". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

James M. Georgantas
Project Manager

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

Weston & Sampson
 273 Dividend Road
 Rocky Hill, CT 06067
 ATTN: Malcolm Beeler

REPORT DATE: 9/19/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 1710172

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

PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC14-SE-64	1710172-01	Soil		SM 2540G SW-846 8082A	
WS-AOC14-SE-65	1710172-02	Soil		SM 2540G SW-846 8082A	
WS-AOC14-SE-66	1710172-03	Soil		SM 2540G SW-846 8082A	
WS-AOC14-SE-67	1710172-04	Soil		SM 2540G SW-846 8082A	
WS-AOC14-SE-68	1710172-05	Soil		SM 2540G SW-846 8082A	
WS-AOC14-SE-69	1710172-06	Soil		SM 2540G SW-846 8082A	
WS-AOC14-SE-70	1710172-07	Soil		SM 2540G SW-846 8082A	
WS-AOC14-SE-71	1710172-08	Soil		SM 2540G SW-846 8082A	
WS-AOC14-CO-1	1710172-09	Product/Solid		SW-846 8082A	
WS-AOC14-CO-64	1710172-10	Product/Solid		SW-846 8082A	
WS-AOC14-CO-65	1710172-11	Product/Solid		SW-846 8082A	
WS-AOC14-CO-66	1710172-12	Product/Solid		SW-846 8082A	
WS-AOC14-CO-67	1710172-13	Product/Solid		SW-846 8082A	
WS-AOC14-CO-68	1710172-14	Product/Solid		SW-846 8082A	
WS-AOC14-CO-69	1710172-15	Product/Solid		SW-846 8082A	
WS-AOC14-CO-70	1710172-16	Product/Solid		SW-846 8082A	
WS-AOC14-CO-71	1710172-17	Product/Solid		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:

DL-03

Elevated reporting limit due to matrix.

Analyte & Samples(s) Qualified:

17I0172-15[WS-AOC14-CO-69], 17I0172-17[WS-AOC14-CO-71]

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: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-SE-64

Sampled: 9/6/2017 08:30

Sample ID: 1710172-01

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	9/12/17	9/18/17 14:36	KAL
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 14:36	KAL
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 14:36	KAL
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 14:36	KAL
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 14:36	KAL
Aroclor-1254 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 14:36	KAL
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 14:36	KAL
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 14:36	KAL
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 14:36	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		75.6	30-150					9/18/17 14:36	
Decachlorobiphenyl [2]		99.7	30-150					9/18/17 14:36	
Tetrachloro-m-xylene [1]		75.9	30-150					9/18/17 14:36	
Tetrachloro-m-xylene [2]		71.2	30-150					9/18/17 14:36	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-SE-64

Sampled: 9/6/2017 08:30

Sample ID: 1710172-01

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	9/12/17	9/13/17 8:38	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-SE-65

Sampled: 9/6/2017 08:40

Sample ID: 1710172-02

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	0.093	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 14:49	KAL
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 14:49	KAL
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 14:49	KAL
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 14:49	KAL
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 14:49	KAL
Aroclor-1254 [2]	0.13	0.093	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 14:49	KAL
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 14:49	KAL
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 14:49	KAL
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 14:49	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		75.1	30-150					9/18/17 14:49	
Decachlorobiphenyl [2]		80.3	30-150					9/18/17 14:49	
Tetrachloro-m-xylene [1]		77.5	30-150					9/18/17 14:49	
Tetrachloro-m-xylene [2]		80.8	30-150					9/18/17 14:49	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-SE-65

Sampled: 9/6/2017 08:40

Sample ID: 1710172-02

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	85.6		% Wt	1		SM 2540G	9/12/17	9/13/17 8:38	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-SE-66

Sampled: 9/6/2017 08:50

Sample ID: 1710172-03

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	0.15	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:01	KAL
Aroclor-1221 [1]	ND	0.15	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:01	KAL
Aroclor-1232 [1]	ND	0.15	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:01	KAL
Aroclor-1242 [1]	ND	0.15	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:01	KAL
Aroclor-1248 [1]	0.44	0.15	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:01	KAL
Aroclor-1254 [2]	0.51	0.15	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:01	KAL
Aroclor-1260 [2]	0.25	0.15	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:01	KAL
Aroclor-1262 [1]	ND	0.15	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:01	KAL
Aroclor-1268 [1]	ND	0.15	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:01	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		55.1	30-150					9/18/17 15:01	
Decachlorobiphenyl [2]		59.2	30-150					9/18/17 15:01	
Tetrachloro-m-xylene [1]		59.5	30-150					9/18/17 15:01	
Tetrachloro-m-xylene [2]		64.8	30-150					9/18/17 15:01	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-SE-66

Sampled: 9/6/2017 08:50

Sample ID: 1710172-03

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	55.0		% Wt	1		SM 2540G	9/12/17	9/13/17 8:38	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-SE-67

Sampled: 9/6/2017 09:00

Sample ID: 1710172-04

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	0.13	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:14	KAL
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:14	KAL
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:14	KAL
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:14	KAL
Aroclor-1248 [1]	0.32	0.13	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:14	KAL
Aroclor-1254 [2]	0.39	0.13	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:14	KAL
Aroclor-1260 [1]	0.24	0.13	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:14	KAL
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:14	KAL
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:14	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		70.7	30-150					9/18/17 15:14	
Decachlorobiphenyl [2]		80.2	30-150					9/18/17 15:14	
Tetrachloro-m-xylene [1]		71.8	30-150					9/18/17 15:14	
Tetrachloro-m-xylene [2]		73.7	30-150					9/18/17 15:14	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-SE-67

Sampled: 9/6/2017 09:00

Sample ID: 1710172-04

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	62.6		% Wt	1		SM 2540G	9/12/17	9/13/17 8:38	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-SE-68

Sampled: 9/6/2017 09:10

Sample ID: 1710172-05

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	0.096	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:26	KAL
Aroclor-1221 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:26	KAL
Aroclor-1232 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:26	KAL
Aroclor-1242 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:26	KAL
Aroclor-1248 [1]	0.19	0.096	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:26	KAL
Aroclor-1254 [2]	0.35	0.096	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:26	KAL
Aroclor-1260 [1]	0.26	0.096	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:26	KAL
Aroclor-1262 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:26	KAL
Aroclor-1268 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:26	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	79.3		30-150				9/18/17 15:26		
Decachlorobiphenyl [2]	86.7		30-150				9/18/17 15:26		
Tetrachloro-m-xylene [1]	79.1		30-150				9/18/17 15:26		
Tetrachloro-m-xylene [2]	82.6		30-150				9/18/17 15:26		

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-SE-68

Sampled: 9/6/2017 09:10

Sample ID: 1710172-05

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	83.5		% Wt	1		SM 2540G	9/12/17	9/13/17 8:38	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-SE-69

Sampled: 9/6/2017 09:20

Sample ID: 1710172-06

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	0.11	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:39	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:39	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:39	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:39	KAL
Aroclor-1248 [1]	0.56	0.11	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:39	KAL
Aroclor-1254 [2]	0.69	0.11	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:39	KAL
Aroclor-1260 [1]	0.35	0.11	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:39	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:39	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:39	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		72.7	30-150					9/18/17 15:39	
Decachlorobiphenyl [2]		77.7	30-150					9/18/17 15:39	
Tetrachloro-m-xylene [1]		73.2	30-150					9/18/17 15:39	
Tetrachloro-m-xylene [2]		73.5	30-150					9/18/17 15:39	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-SE-69

Sampled: 9/6/2017 09:20

Sample ID: 1710172-06

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	71.8		% Wt	1		SM 2540G	9/12/17	9/13/17 8:38	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-SE-70

Sampled: 9/6/2017 09:30

Sample ID: 1710172-07

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	0.14	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:52	KAL
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:52	KAL
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:52	KAL
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:52	KAL
Aroclor-1248 [1]	0.32	0.14	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:52	KAL
Aroclor-1254 [2]	0.46	0.14	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:52	KAL
Aroclor-1260 [2]	0.25	0.14	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:52	KAL
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:52	KAL
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:52	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		77.2	30-150					9/18/17 15:52	
Decachlorobiphenyl [2]		90.7	30-150					9/18/17 15:52	
Tetrachloro-m-xylene [1]		73.9	30-150					9/18/17 15:52	
Tetrachloro-m-xylene [2]		74.4	30-150					9/18/17 15:52	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-SE-70

Sampled: 9/6/2017 09:30

Sample ID: 1710172-07

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	57.4		% Wt	1		SM 2540G	9/12/17	9/13/17 8:38	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-SE-71

Sampled: 9/6/2017 09:40

Sample ID: 1710172-08

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	0.17	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 16:04	KAL
Aroclor-1221 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 16:04	KAL
Aroclor-1232 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 16:04	KAL
Aroclor-1242 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 16:04	KAL
Aroclor-1248 [1]	0.62	0.17	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 16:04	KAL
Aroclor-1254 [2]	0.62	0.17	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 16:04	KAL
Aroclor-1260 [1]	0.28	0.17	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 16:04	KAL
Aroclor-1262 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 16:04	KAL
Aroclor-1268 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 16:04	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		75.8	30-150					9/18/17 16:04	
Decachlorobiphenyl [2]		88.7	30-150					9/18/17 16:04	
Tetrachloro-m-xylene [1]		72.4	30-150					9/18/17 16:04	
Tetrachloro-m-xylene [2]		74.5	30-150					9/18/17 16:04	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-SE-71

Sampled: 9/6/2017 09:40

Sample ID: 1710172-08

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	47.2		% Wt	1		SM 2540G	9/12/17	9/13/17 8:38	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-CO-1

Sampled: 9/6/2017 08:20

Sample ID: 1710172-09

Sample Matrix: Product/Solid

Polychlorinated 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	1		SW-846 8082A	9/8/17	9/14/17 17:22	TG
Aroclor-1221 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:22	TG
Aroclor-1232 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:22	TG
Aroclor-1242 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:22	TG
Aroclor-1248 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:22	TG
Aroclor-1254 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:22	TG
Aroclor-1260 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:22	TG
Aroclor-1262 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:22	TG
Aroclor-1268 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:22	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		82.1	30-150					9/14/17 17:22	
Decachlorobiphenyl [2]		82.4	30-150					9/14/17 17:22	
Tetrachloro-m-xylene [1]		83.4	30-150					9/14/17 17:22	
Tetrachloro-m-xylene [2]		83.6	30-150					9/14/17 17:22	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-CO-64

Sampled: 9/6/2017 08:35

Sample ID: 1710172-10

Sample Matrix: Product/Solid

Polychlorinated 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	1		SW-846 8082A	9/8/17	9/14/17 17:35	TG
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:35	TG
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:35	TG
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:35	TG
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:35	TG
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:35	TG
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:35	TG
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:35	TG
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:35	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		75.6	30-150					9/14/17 17:35	
Decachlorobiphenyl [2]		73.8	30-150					9/14/17 17:35	
Tetrachloro-m-xylene [1]		84.1	30-150					9/14/17 17:35	
Tetrachloro-m-xylene [2]		85.6	30-150					9/14/17 17:35	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-CO-65

Sampled: 9/6/2017 08:45

Sample ID: 1710172-11

Sample Matrix: Product/Solid

Polychlorinated 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	1		SW-846 8082A	9/8/17	9/14/17 17:47	TG
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:47	TG
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:47	TG
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:47	TG
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:47	TG
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:47	TG
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:47	TG
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:47	TG
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:47	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		73.9	30-150					9/14/17 17:47	
Decachlorobiphenyl [2]		73.1	30-150					9/14/17 17:47	
Tetrachloro-m-xylene [1]		79.1	30-150					9/14/17 17:47	
Tetrachloro-m-xylene [2]		80.6	30-150					9/14/17 17:47	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-CO-66

Sampled: 9/6/2017 08:55

Sample ID: 1710172-12

Sample Matrix: Product/Solid

Polychlorinated 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	9/8/17	9/14/17 18:00	TG
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:00	TG
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:00	TG
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:00	TG
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:00	TG
Aroclor-1254 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:00	TG
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:00	TG
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:00	TG
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:00	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		73.0	30-150					9/14/17 18:00	
Decachlorobiphenyl [2]		72.2	30-150					9/14/17 18:00	
Tetrachloro-m-xylene [1]		79.4	30-150					9/14/17 18:00	
Tetrachloro-m-xylene [2]		80.8	30-150					9/14/17 18:00	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-CO-67

Sampled: 9/6/2017 09:05

Sample ID: 1710172-13

Sample Matrix: Product/Solid

Polychlorinated 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	1		SW-846 8082A	9/8/17	9/14/17 18:13	TG
Aroclor-1221 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:13	TG
Aroclor-1232 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:13	TG
Aroclor-1242 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:13	TG
Aroclor-1248 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:13	TG
Aroclor-1254 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:13	TG
Aroclor-1260 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:13	TG
Aroclor-1262 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:13	TG
Aroclor-1268 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:13	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		72.3	30-150					9/14/17 18:13	
Decachlorobiphenyl [2]		71.5	30-150					9/14/17 18:13	
Tetrachloro-m-xylene [1]		76.3	30-150					9/14/17 18:13	
Tetrachloro-m-xylene [2]		77.3	30-150					9/14/17 18:13	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-CO-68

Sampled: 9/6/2017 09:15

Sample ID: 1710172-14

Sample Matrix: Product/Solid

Polychlorinated 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	1		SW-846 8082A	9/8/17	9/14/17 18:25	TG
Aroclor-1221 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:25	TG
Aroclor-1232 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:25	TG
Aroclor-1242 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:25	TG
Aroclor-1248 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:25	TG
Aroclor-1254 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:25	TG
Aroclor-1260 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:25	TG
Aroclor-1262 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:25	TG
Aroclor-1268 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:25	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		80.4	30-150					9/14/17 18:25	
Decachlorobiphenyl [2]		80.6	30-150					9/14/17 18:25	
Tetrachloro-m-xylene [1]		83.0	30-150					9/14/17 18:25	
Tetrachloro-m-xylene [2]		83.9	30-150					9/14/17 18:25	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-CO-69

Sampled: 9/6/2017 09:25

Sample ID: 1710172-15

Sample Matrix: Product/Solid

Sample Flags: DL-03

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 18:38	TG
Aroclor-1221 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 18:38	TG
Aroclor-1232 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 18:38	TG
Aroclor-1242 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 18:38	TG
Aroclor-1248 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 18:38	TG
Aroclor-1254 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 18:38	TG
Aroclor-1260 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 18:38	TG
Aroclor-1262 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 18:38	TG
Aroclor-1268 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 18:38	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		73.4	30-150					9/14/17 18:38	
Decachlorobiphenyl [2]		83.6	30-150					9/14/17 18:38	
Tetrachloro-m-xylene [1]		77.3	30-150					9/14/17 18:38	
Tetrachloro-m-xylene [2]		83.8	30-150					9/14/17 18:38	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-CO-70

Sampled: 9/6/2017 09:35

Sample ID: 1710172-16

Sample Matrix: Product/Solid

Polychlorinated 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	1		SW-846 8082A	9/8/17	9/14/17 18:51	TG
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:51	TG
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:51	TG
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:51	TG
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:51	TG
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:51	TG
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:51	TG
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:51	TG
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:51	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		73.6	30-150					9/14/17 18:51	
Decachlorobiphenyl [2]		73.9	30-150					9/14/17 18:51	
Tetrachloro-m-xylene [1]		81.3	30-150					9/14/17 18:51	
Tetrachloro-m-xylene [2]		80.8	30-150					9/14/17 18:51	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-CO-71

Sampled: 9/6/2017 09:45

Sample ID: 1710172-17

Sample Matrix: Product/Solid

Sample Flags: DL-03

Polychlorinated 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	10		SW-846 8082A	9/8/17	9/14/17 19:03	TG
Aroclor-1221 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 19:03	TG
Aroclor-1232 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 19:03	TG
Aroclor-1242 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 19:03	TG
Aroclor-1248 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 19:03	TG
Aroclor-1254 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 19:03	TG
Aroclor-1260 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 19:03	TG
Aroclor-1262 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 19:03	TG
Aroclor-1268 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 19:03	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		76.4	30-150					9/14/17 19:03	
Decachlorobiphenyl [2]		86.2	30-150					9/14/17 19:03	
Tetrachloro-m-xylene [1]		86.1	30-150					9/14/17 19:03	
Tetrachloro-m-xylene [2]		91.4	30-150					9/14/17 19:03	

Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17I0172-01 [WS-AOC14-SE-64]	B185999	09/12/17
17I0172-02 [WS-AOC14-SE-65]	B185999	09/12/17
17I0172-03 [WS-AOC14-SE-66]	B185999	09/12/17
17I0172-04 [WS-AOC14-SE-67]	B185999	09/12/17
17I0172-05 [WS-AOC14-SE-68]	B185999	09/12/17
17I0172-06 [WS-AOC14-SE-69]	B185999	09/12/17
17I0172-07 [WS-AOC14-SE-70]	B185999	09/12/17
17I0172-08 [WS-AOC14-SE-71]	B185999	09/12/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0172-09 [WS-AOC14-CO-1]	B185833	2.13	10.0	09/08/17
17I0172-10 [WS-AOC14-CO-64]	B185833	2.04	10.0	09/08/17
17I0172-11 [WS-AOC14-CO-65]	B185833	2.03	10.0	09/08/17
17I0172-12 [WS-AOC14-CO-66]	B185833	2.09	10.0	09/08/17
17I0172-13 [WS-AOC14-CO-67]	B185833	2.34	10.0	09/08/17
17I0172-14 [WS-AOC14-CO-68]	B185833	2.29	10.0	09/08/17
17I0172-15 [WS-AOC14-CO-69]	B185833	2.07	10.0	09/08/17
17I0172-16 [WS-AOC14-CO-70]	B185833	2.20	10.0	09/08/17
17I0172-17 [WS-AOC14-CO-71]	B185833	2.15	10.0	09/08/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0172-01 [WS-AOC14-SE-64]	B185991	10.0	10.0	09/12/17
17I0172-02 [WS-AOC14-SE-65]	B185991	10.0	10.0	09/12/17
17I0172-03 [WS-AOC14-SE-66]	B185991	10.0	10.0	09/12/17
17I0172-04 [WS-AOC14-SE-67]	B185991	10.0	10.0	09/12/17
17I0172-05 [WS-AOC14-SE-68]	B185991	10.0	10.0	09/12/17
17I0172-06 [WS-AOC14-SE-69]	B185991	10.0	10.0	09/12/17
17I0172-07 [WS-AOC14-SE-70]	B185991	10.0	10.0	09/12/17
17I0172-08 [WS-AOC14-SE-71]	B185991	10.0	10.0	09/12/17

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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
Batch B185833 - SW-846 3540C										
Blank (B185833-BLK1)										
Prepared: 09/08/17 Analyzed: 09/14/17										
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	0.931		mg/Kg	1.00		93.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.892		mg/Kg	1.00		89.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.922		mg/Kg	1.00		92.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.926		mg/Kg	1.00		92.6	30-150			
LCS (B185833-BS1)										
Prepared: 09/08/17 Analyzed: 09/14/17										
Aroclor-1016	0.90	0.10	mg/Kg	1.00		89.7	40-140			
Aroclor-1016 [2C]	0.84	0.10	mg/Kg	1.00		83.7	40-140			
Aroclor-1260	0.83	0.10	mg/Kg	1.00		82.6	40-140			
Aroclor-1260 [2C]	0.75	0.10	mg/Kg	1.00		75.2	40-140			
Surrogate: Decachlorobiphenyl	0.962		mg/Kg	1.00		96.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.928		mg/Kg	1.00		92.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.915		mg/Kg	1.00		91.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.927		mg/Kg	1.00		92.7	30-150			
LCS Dup (B185833-BSD1)										
Prepared: 09/08/17 Analyzed: 09/14/17										
Aroclor-1016	0.92	0.10	mg/Kg	1.00		91.9	40-140	2.46	30	
Aroclor-1016 [2C]	0.88	0.10	mg/Kg	1.00		88.0	40-140	4.96	30	
Aroclor-1260	0.83	0.10	mg/Kg	1.00		82.6	40-140	0.0660	30	
Aroclor-1260 [2C]	0.76	0.10	mg/Kg	1.00		76.0	40-140	1.06	30	
Surrogate: Decachlorobiphenyl	0.960		mg/Kg	1.00		96.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.925		mg/Kg	1.00		92.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.904		mg/Kg	1.00		90.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.909		mg/Kg	1.00		90.9	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
Batch B185991 - SW-846 3540C										
Blank (B185991-BLK1)										
Prepared: 09/12/17 Analyzed: 09/18/17										
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	0.184		mg/Kg wet	0.200		91.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.186		mg/Kg wet	0.200		93.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.166		mg/Kg wet	0.200		83.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.176		mg/Kg wet	0.200		88.0	30-150			
LCS (B185991-BS1)										
Prepared: 09/12/17 Analyzed: 09/18/17										
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		89.4	40-140			
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		98.3	40-140			
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		89.2	40-140			
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		82.7	40-140			
Surrogate: Decachlorobiphenyl	0.196		mg/Kg wet	0.200		98.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.190		mg/Kg wet	0.200		95.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.179		mg/Kg wet	0.200		89.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.183		mg/Kg wet	0.200		91.4	30-150			
LCS Dup (B185991-BSD1)										
Prepared: 09/12/17 Analyzed: 09/18/17										
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		85.9	40-140	4.07	30	
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		95.4	40-140	3.01	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		86.2	40-140	3.41	30	
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		81.4	40-140	1.61	30	
Surrogate: Decachlorobiphenyl	0.182		mg/Kg wet	0.200		91.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.179		mg/Kg wet	0.200		89.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.162		mg/Kg wet	0.200		80.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.166		mg/Kg wet	0.200		83.0	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 B185991 - SW-846 3540C

Matrix Spike (B185991-MS1)

Source: 1710172-01

Prepared: 09/12/17 Analyzed: 09/18/17

Aroclor-1016	0.18	0.092	mg/Kg dry	0.230	ND	79.2	40-140			
Aroclor-1016 [2C]	0.20	0.092	mg/Kg dry	0.230	ND	86.6	40-140			
Aroclor-1260	0.16	0.092	mg/Kg dry	0.230	ND	70.0	40-140			
Aroclor-1260 [2C]	0.14	0.092	mg/Kg dry	0.230	ND	62.8	40-140			
Surrogate: Decachlorobiphenyl	0.160		mg/Kg dry	0.230		69.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.160		mg/Kg dry	0.230		69.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.160		mg/Kg dry	0.230		69.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.178		mg/Kg dry	0.230		77.2	30-150			

Matrix Spike Dup (B185991-MSD1)

Source: 1710172-01

Prepared: 09/12/17 Analyzed: 09/18/17

Aroclor-1016	0.19	0.092	mg/Kg dry	0.230	ND	84.6	40-140	6.60	50	
Aroclor-1016 [2C]	0.22	0.092	mg/Kg dry	0.230	ND	93.8	40-140	7.94	50	
Aroclor-1260	0.18	0.092	mg/Kg dry	0.230	ND	78.8	40-140	11.9	50	
Aroclor-1260 [2C]	0.20	0.092	mg/Kg dry	0.230	ND	85.1	40-140	30.2	50	
Surrogate: Decachlorobiphenyl	0.175		mg/Kg dry	0.230		76.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.175		mg/Kg dry	0.230		76.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.173		mg/Kg dry	0.230		75.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.193		mg/Kg dry	0.230		84.0	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
Batch B185999 - % Solids										
Duplicate (B185999-DUP4)	Source: 17I0172-01		Prepared: 09/12/17 Analyzed: 09/13/17							
% Solids	85.8		% Wt			86.9		1.27	20	
Duplicate (B185999-DUP5)	Source: 17I0172-02		Prepared: 09/12/17 Analyzed: 09/13/17							
% Solids	81.6		% Wt			85.6		4.78	20	
Duplicate (B185999-DUP6)	Source: 17I0172-03		Prepared: 09/12/17 Analyzed: 09/13/17							
% Solids	61.4		% Wt			55.0		11.0	20	

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

WS-AOC14-SE-65

SW-846 8082A

Lab Sample ID: 1710172-02 Date(s) Analyzed: 09/18/2017 09/18/2017

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	0.13	16.7

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

WS-AOC14-SE-66

Lab Sample ID: 1710172-03 Date(s) Analyzed: 09/18/2017 09/18/2017

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-1248	1	0.000	-0.030	0.030	0.44	
	2	0.000	-0.030	0.030	0.40	9.5
Aroclor-1254	1	0.000	-0.030	0.030	0.41	
	2	0.000	-0.030	0.030	0.51	21.7
Aroclor-1260	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**
SW-846 8082A

WS-AOC14-SE-67

Lab Sample ID: 1710172-04 Date(s) Analyzed: 09/18/2017 09/18/2017

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-1248	1	0.000	-0.030	0.030	0.32	
	2	0.000	-0.030	0.030	0.26	20.7
Aroclor-1254	1	0.000	-0.030	0.030	0.34	
	2	0.000	-0.030	0.030	0.39	13.7
Aroclor-1260	1	0.000	-0.030	0.030	0.24	
	2	0.000	-0.030	0.030	0.23	4.3

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

WS-AOC14-SE-68

Lab Sample ID: 1710172-05 Date(s) Analyzed: 09/18/2017 09/18/2017

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-1248	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.16	17.1
Aroclor-1254	1	0.000	-0.030	0.030	0.29	
	2	0.000	-0.030	0.030	0.35	18.8
Aroclor-1260	1	0.000	-0.030	0.030	0.26	
	2	0.000	-0.030	0.030	0.25	7.7

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

WS-AOC14-SE-69

Lab Sample ID: 1710172-06 Date(s) Analyzed: 09/18/2017 09/18/2017

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-1248	1	0.000	-0.030	0.030	0.56	
	2	0.000	-0.030	0.030	0.48	15.4
Aroclor-1254	1	0.000	-0.030	0.030	0.59	
	2	0.000	-0.030	0.030	0.69	15.6
Aroclor-1260	1	0.000	-0.030	0.030	0.35	
	2	0.000	-0.030	0.030	0.33	5.9

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

WS-AOC14-SE-70

Lab Sample ID: 1710172-07 Date(s) Analyzed: 09/18/2017 09/18/2017

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-1248	1	0.000	-0.030	0.030	0.32	
	2	0.000	-0.030	0.030	0.27	20.0
Aroclor-1254	1	0.000	-0.030	0.030	0.34	
	2	0.000	-0.030	0.030	0.46	30.0
Aroclor-1260	1	0.000	-0.030	0.030	0.24	
	2	0.000	-0.030	0.030	0.25	4.1

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

WS-AOC14-SE-71

Lab Sample ID: 1710172-08 Date(s) Analyzed: 09/18/2017 09/18/2017

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-1248	1	0.000	-0.030	0.030	0.62	
	2	0.000	-0.030	0.030	0.56	10.2
Aroclor-1254	1	0.000	-0.030	0.030	0.45	
	2	0.000	-0.030	0.030	0.62	31.8
Aroclor-1260	1	0.000	-0.030	0.030	0.28	
	2	0.000	-0.030	0.030	0.26	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
DL	Method Detection Limit
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.
DL-03	Elevated reporting limit due to matrix.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Product/Solid</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
<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

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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	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
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	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

1710172

Phone: 413-525-2332

Fax: 413-525-6405

Email: info@contestlabs.com

Weston & Sampson Engineers

273 Dividend Rd Rooky Hill, CT

860 513-1473

English Station

510 Grand Ave, New Haven, CT

2170495

Malcolm Beeler

Malcolm Beeler (Weston & Sampson)

~~Christina~~ / Will Sirotnak

Requested Turnaround Time
 7-Day 10-Day 5-Day
 Other: _____

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

Data Delivery
 Format: PDF EXCEL Other: _____

Enhanced Data Package Required:

Email To: beelerm@wseinc.com

Fax To #: _____

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1	WS-AOC14-SE-64	9/6/17	830	X	S	U	
2	WS-AOC14-SE-65		840				
3	WS-AOC14-SE-66		850				
4	WS-AOC14-SE-67		900				
5	WS-AOC14-SE-68		910				
6	WS-AOC14-SE-69		920				
7	WS-AOC14-SE-70		930				
8	WS-AOC14-SE-71		940				
9	WS-AOC14-Co-1		870				
10	WS-AOC14-Co-64		835				

Comments:

Please hold excess volumes for possible SPLP 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) *[Signature]* Date/Time: 9/6/17 1430

Received by: (signature) *[Signature]* Date/Time: 9/6/17 1430

Relinquished by: (signature) *[Signature]* Date/Time: 9/6/17 1630

Received by: (signature) *[Signature]* Date/Time: 9/6/17 1630

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

Received by: (signature) _____ Date/Time: _____

Detection Limit Requirements
 MA
 CT
 Other: _____

Program Information
 MCP Analytical Certification Form Required
 RCP Analytical Certification Form Required
 MA State DW Form Required
 PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

1710172

Phone: 413-525-2332
Fax: 413-525-6405

Company Name: Contest Analytical Laboratory
Address: Weston & Sampson Engineers
273 Dividend Rd Rocky Hill, CT
Phone: 860 513-1473
Project Name: English Station
Project Location: 510 Grand Ave, New Haven, CT
Project Number: 2170495
Project Manager: Malcolm Beeler
Con-Test Bid:
Invoice Recipient: Malcolm Beeler (Weston & Sampson)
Sampled By: Chris Beeler/Will Sirotnak

Requested Turnaround Time:
 7-Day 10-Day
 Other: 5-day
Rush-Approval Required:
 1-Day 3-Day
 2-Day 4-Day
Data Delivery:
 Format: PDF EXCEL
 Other:
 Enhanced Data Package Required:
 Email To: beelerm@wseinc.com
 Fax To #:

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
11	WS-AOC14-Co-65	9/6/17	845		X	0	v
12	WS-AOC14-Co-66		855				
13	WS-AOC14-Co-67		905				
14	WS-AOC14-Co-68		915				
15	WS-AOC14-Co-69		925				
16	WS-AOC14-Co-70		935				
17	WS-AOC14-Co-71		945				

ANALYSIS REQUESTED

- 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/Solid
 SL = Sludge
 O = Other (please define)
Pavers media (concrete)

- 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)

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:

Please hold excess volumes for possible SLP analyses.

Relinquished by: (signature)	Date/Time:	Detection Limit Requirements	Program Information
<i>[Signature]</i>	9/6/17 1430	MA	<input type="radio"/> MCP Analytical Certification Form Required <input checked="" type="radio"/> RCP Analysis Certification Form Required <input type="radio"/> MA State DW Form Required PWSID # _____
<i>[Signature]</i>	9/6/17 1430	CT	NELAC and AIHA-LAP, LLC Accredited
<i>[Signature]</i>	9/6/17 1630	Other:	TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.
<i>[Signature]</i>	9/6/17 1630		PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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 East Longmeadow, MA. 01028
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 F: 413-525-6405
 www.contestlabs.com



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 JM Date 9/6/17 Time 1630

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 # 1 Actual Temp - 3.1
 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 Who was notified?
 Are there Rushes? N/A Who was notified?
 Are there Short Holds? N/A Who was notified?

Is there enough Volume? T
 Is there Headspace where applicable? N/A MS/MSD? N/A
 Proper Media/Containers Used? T Is splitting samples required? N/A
 Were trip blanks received? N/A On COC? N/A
 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:



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: 510 Grand Ave., New Haven, CT

Project Number: 1710172

Laboratory Sample ID(s):

Sample Date(s):

1710172-01 thru 1710172-17

09/06/2017

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 checked="" type="checkbox"/> Yes <input 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 checked="" type="checkbox"/> Yes <input 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 checked="" type="checkbox"/> Yes <input 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."

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 Worthington

Position: Project Manager

Printed Name: Lisa A. Worthington

Date: 09/19/17

Name of Laboratory: Con-Test Analytical Laboratory

This certification form is to be used for RCP methods only.

September 19, 2017

Malcolm Beeler
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: 510 Grand Ave., New Haven, CT
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17I0175

Enclosed are results of analyses for samples received by the laboratory on September 6, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



James M. Georgantas
Project Manager

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Weston & Sampson
 273 Dividend Road
 Rocky Hill, CT 06067
 ATTN: Malcolm Beeler

REPORT DATE: 9/19/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 1710175

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

PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC-15-SO-2-2	1710175-01	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC-15-SO-2-3	1710175-02	Soil		SM 2540G SW-846 8082A	
WS-AOC-15-SO-7-1	1710175-03	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC-15-SO-7-2	1710175-04	Soil		SM 2540G SW-846 8082A	
WS-AOC-15-SO-7-3	1710175-05	Soil		SM 2540G SW-846 8082A	
WS-AOC-12E-SO-52-1	1710175-06	Soil		SM 2540G SW-846 8082A	
WS-AOC-12E-SO-52-2	1710175-07	Soil		SM 2540G SW-846 8082A	
WS-AOC-12E-SO-45-1	1710175-08	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC-12E-SO-45-2	1710175-09	Soil		SM 2540G SW-846 8082A	
WS-AOC-12E-SO-45-3	1710175-10	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.

CTDEP ETPH

Qualifications:

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Sample(s) Qualified:

CT ETPH

B186051-BS1

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: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710175

Date Received: 9/6/2017

Field Sample #: WS-AOC-15-SO-2-2

Sampled: 9/6/2017 13:23

Sample ID: 1710175-01

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	0.090	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 16:55	KAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 16:55	KAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 16:55	KAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 16:55	KAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 16:55	KAL
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 16:55	KAL
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 16:55	KAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 16:55	KAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 16:55	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		88.3	30-150					9/18/17 16:55	
Decachlorobiphenyl [2]		87.8	30-150					9/18/17 16:55	
Tetrachloro-m-xylene [1]		80.4	30-150					9/18/17 16:55	
Tetrachloro-m-xylene [2]		90.9	30-150					9/18/17 16:55	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710175

Date Received: 9/6/2017

Field Sample #: WS-AOC-15-SO-2-2

Sampled: 9/6/2017 13:23

Sample ID: 1710175-01

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	68	11	mg/Kg dry	1		CTDEP ETPH	9/12/17	9/13/17 18:04	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		52.8	50-150					9/13/17 18:04	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710175

Date Received: 9/6/2017

Field Sample #: WS-AOC-15-SO-2-2

Sampled: 9/6/2017 13:23

Sample ID: 1710175-01

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	9/12/17	9/13/17 8:38	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710175

Date Received: 9/6/2017

Field Sample #: WS-AOC-15-SO-2-3

Sampled: 9/6/2017 13:24

Sample ID: 1710175-02

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	0.089	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:08	KAL
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:08	KAL
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:08	KAL
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:08	KAL
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:08	KAL
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:08	KAL
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:08	KAL
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:08	KAL
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:08	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		91.1	30-150					9/18/17 17:08	
Decachlorobiphenyl [2]		89.1	30-150					9/18/17 17:08	
Tetrachloro-m-xylene [1]		83.5	30-150					9/18/17 17:08	
Tetrachloro-m-xylene [2]		95.7	30-150					9/18/17 17:08	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710175

Date Received: 9/6/2017

Field Sample #: WS-AOC-15-SO-2-3

Sampled: 9/6/2017 13:24

Sample ID: 1710175-02

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	90.1		% Wt	1		SM 2540G	9/12/17	9/13/17 8:38	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710175

Date Received: 9/6/2017

Field Sample #: WS-AOC-15-SO-7-1

Sampled: 9/6/2017 13:33

Sample ID: 1710175-03

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	9/12/17	9/18/17 17:20	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:20	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:20	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:20	KAL
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:20	KAL
Aroclor-1254 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:20	KAL
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:20	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:20	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:20	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		88.1	30-150					9/18/17 17:20	
Decachlorobiphenyl [2]		87.0	30-150					9/18/17 17:20	
Tetrachloro-m-xylene [1]		90.6	30-150					9/18/17 17:20	
Tetrachloro-m-xylene [2]		102	30-150					9/18/17 17:20	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710175

Date Received: 9/6/2017

Field Sample #: WS-AOC-15-SO-7-1

Sampled: 9/6/2017 13:33

Sample ID: 1710175-03

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	160	100	mg/Kg dry	10		CTDEP ETPH	9/12/17	9/13/17 18:22	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		68.6	50-150					9/13/17 18:22	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710175

Date Received: 9/6/2017

Field Sample #: WS-AOC-15-SO-7-1

Sampled: 9/6/2017 13:33

Sample ID: 1710175-03

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	9/12/17	9/13/17 8:38	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710175

Date Received: 9/6/2017

Field Sample #: WS-AOC-15-SO-7-2

Sampled: 9/6/2017 13:34

Sample ID: 1710175-04

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	0.086	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:33	KAL
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:33	KAL
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:33	KAL
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:33	KAL
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:33	KAL
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:33	KAL
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:33	KAL
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:33	KAL
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:33	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		77.3	30-150					9/18/17 17:33	
Decachlorobiphenyl [2]		91.9	30-150					9/18/17 17:33	
Tetrachloro-m-xylene [1]		78.9	30-150					9/18/17 17:33	
Tetrachloro-m-xylene [2]		89.5	30-150					9/18/17 17:33	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710175

Date Received: 9/6/2017

Field Sample #: WS-AOC-15-SO-7-2

Sampled: 9/6/2017 13:34

Sample ID: 1710175-04

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	92.8		% Wt	1		SM 2540G	9/12/17	9/13/17 8:38	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710175

Date Received: 9/6/2017

Field Sample #: WS-AOC-15-SO-7-3

Sampled: 9/6/2017 13:35

Sample ID: 1710175-05

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	0.092	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:46	KAL
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:46	KAL
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:46	KAL
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:46	KAL
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:46	KAL
Aroclor-1254 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:46	KAL
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:46	KAL
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:46	KAL
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:46	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		88.9	30-150					9/18/17 17:46	
Decachlorobiphenyl [2]		85.0	30-150					9/18/17 17:46	
Tetrachloro-m-xylene [1]		90.6	30-150					9/18/17 17:46	
Tetrachloro-m-xylene [2]		105	30-150					9/18/17 17:46	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710175

Date Received: 9/6/2017

Field Sample #: WS-AOC-15-SO-7-3

Sampled: 9/6/2017 13:35

Sample ID: 1710175-05

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	87.2		% Wt	1		SM 2540G	9/12/17	9/13/17 8:38	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710175

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-SO-52-1

Sampled: 9/5/2017 15:18

Sample ID: 1710175-06

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	0.085	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:58	KAL
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:58	KAL
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:58	KAL
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:58	KAL
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:58	KAL
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:58	KAL
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:58	KAL
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:58	KAL
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:58	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		76.4	30-150					9/18/17 17:58	
Decachlorobiphenyl [2]		63.6	30-150					9/18/17 17:58	
Tetrachloro-m-xylene [1]		77.5	30-150					9/18/17 17:58	
Tetrachloro-m-xylene [2]		84.1	30-150					9/18/17 17:58	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710175

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-SO-52-1

Sampled: 9/5/2017 15:18

Sample ID: 1710175-06

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	9/12/17	9/13/17 8:38	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710175

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-SO-52-2

Sampled: 9/5/2017 15:19

Sample ID: 1710175-07

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	0.084	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:11	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:11	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:11	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:11	KAL
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:11	KAL
Aroclor-1254 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:11	KAL
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:11	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:11	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:11	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		77.0	30-150					9/18/17 18:11	
Decachlorobiphenyl [2]		60.1	30-150					9/18/17 18:11	
Tetrachloro-m-xylene [1]		88.2	30-150					9/18/17 18:11	
Tetrachloro-m-xylene [2]		98.8	30-150					9/18/17 18:11	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710175

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-SO-52-2

Sampled: 9/5/2017 15:19

Sample ID: 1710175-07

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	9/12/17	9/13/17 8:38	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710175

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-SO-45-1

Sampled: 9/5/2017 15:26

Sample ID: 1710175-08

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	9/12/17	9/18/17 18:23	KAL
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:23	KAL
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:23	KAL
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:23	KAL
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:23	KAL
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:23	KAL
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:23	KAL
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:23	KAL
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:23	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		80.7	30-150					9/18/17 18:23	
Decachlorobiphenyl [2]		63.8	30-150					9/18/17 18:23	
Tetrachloro-m-xylene [1]		86.4	30-150					9/18/17 18:23	
Tetrachloro-m-xylene [2]		100	30-150					9/18/17 18:23	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710175

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-SO-45-1

Sampled: 9/5/2017 15:26

Sample ID: 1710175-08

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	11	mg/Kg dry	1		CTDEP ETPH	9/12/17	9/14/17 10:12	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		56.1	50-150					9/14/17 10:12	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710175

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-SO-45-1

Sampled: 9/5/2017 15:26

Sample ID: 1710175-08

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	89.5		% Wt	1		SM 2540G	9/12/17	9/13/17 8:38	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710175

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-SO-45-2

Sampled: 9/5/2017 15:27

Sample ID: 1710175-09

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	9/12/17	9/18/17 18:36	KAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:36	KAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:36	KAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:36	KAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:36	KAL
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:36	KAL
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:36	KAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:36	KAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:36	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		81.2	30-150					9/18/17 18:36	
Decachlorobiphenyl [2]		70.3	30-150					9/18/17 18:36	
Tetrachloro-m-xylene [1]		86.6	30-150					9/18/17 18:36	
Tetrachloro-m-xylene [2]		102	30-150					9/18/17 18:36	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710175

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-SO-45-2

Sampled: 9/5/2017 15:27

Sample ID: 1710175-09

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	89.3		% Wt	1		SM 2540G	9/12/17	9/13/17 8:38	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710175

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-SO-45-3

Sampled: 9/5/2017 15:34

Sample ID: 1710175-10

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	0.12	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:49	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:49	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:49	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:49	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:49	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:49	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:49	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:49	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:49	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		86.9	30-150					9/18/17 18:49	
Decachlorobiphenyl [2]		79.5	30-150					9/18/17 18:49	
Tetrachloro-m-xylene [1]		88.5	30-150					9/18/17 18:49	
Tetrachloro-m-xylene [2]		101	30-150					9/18/17 18:49	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710175

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-SO-45-3

Sampled: 9/5/2017 15:34

Sample ID: 1710175-10

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	66.5		% Wt	1		SM 2540G	9/12/17	9/13/17 8:38	MRL

Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0175-01 [WS-AOC-15-SO-2-2]	B186051	30.0	1.00	09/12/17
17I0175-03 [WS-AOC-15-SO-7-1]	B186051	30.0	1.00	09/12/17
17I0175-08 [WS-AOC-12E-SO-45-1]	B186051	30.0	1.00	09/12/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17I0175-01 [WS-AOC-15-SO-2-2]	B185999	09/12/17
17I0175-02 [WS-AOC-15-SO-2-3]	B185999	09/12/17
17I0175-03 [WS-AOC-15-SO-7-1]	B185999	09/12/17
17I0175-04 [WS-AOC-15-SO-7-2]	B185999	09/12/17
17I0175-05 [WS-AOC-15-SO-7-3]	B185999	09/12/17
17I0175-06 [WS-AOC-12E-SO-52-1]	B185999	09/12/17
17I0175-07 [WS-AOC-12E-SO-52-2]	B185999	09/12/17
17I0175-08 [WS-AOC-12E-SO-45-1]	B185999	09/12/17
17I0175-09 [WS-AOC-12E-SO-45-2]	B185999	09/12/17
17I0175-10 [WS-AOC-12E-SO-45-3]	B185999	09/12/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0175-01 [WS-AOC-15-SO-2-2]	B185991	10.0	10.0	09/12/17
17I0175-02 [WS-AOC-15-SO-2-3]	B185991	10.0	10.0	09/12/17
17I0175-03 [WS-AOC-15-SO-7-1]	B185991	10.0	10.0	09/12/17
17I0175-04 [WS-AOC-15-SO-7-2]	B185991	10.0	10.0	09/12/17
17I0175-05 [WS-AOC-15-SO-7-3]	B185991	10.0	10.0	09/12/17
17I0175-06 [WS-AOC-12E-SO-52-1]	B185991	10.0	10.0	09/12/17
17I0175-07 [WS-AOC-12E-SO-52-2]	B185991	10.0	10.0	09/12/17
17I0175-08 [WS-AOC-12E-SO-45-1]	B185991	10.0	10.0	09/12/17
17I0175-09 [WS-AOC-12E-SO-45-2]	B185991	10.0	10.0	09/12/17
17I0175-10 [WS-AOC-12E-SO-45-3]	B185991	10.0	10.0	09/12/17

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
Batch B185991 - SW-846 3540C										
Blank (B185991-BLK1)										
Prepared: 09/12/17 Analyzed: 09/18/17										
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	0.184		mg/Kg wet	0.200		91.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.186		mg/Kg wet	0.200		93.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.166		mg/Kg wet	0.200		83.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.176		mg/Kg wet	0.200		88.0	30-150			
LCS (B185991-BS1)										
Prepared: 09/12/17 Analyzed: 09/18/17										
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		89.4	40-140			
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		98.3	40-140			
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		89.2	40-140			
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		82.7	40-140			
Surrogate: Decachlorobiphenyl	0.196		mg/Kg wet	0.200		98.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.190		mg/Kg wet	0.200		95.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.179		mg/Kg wet	0.200		89.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.183		mg/Kg wet	0.200		91.4	30-150			
LCS Dup (B185991-BSD1)										
Prepared: 09/12/17 Analyzed: 09/18/17										
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		85.9	40-140	4.07	30	
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		95.4	40-140	3.01	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		86.2	40-140	3.41	30	
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		81.4	40-140	1.61	30	
Surrogate: Decachlorobiphenyl	0.182		mg/Kg wet	0.200		91.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.179		mg/Kg wet	0.200		89.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.162		mg/Kg wet	0.200		80.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.166		mg/Kg wet	0.200		83.0	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186051 - SW-846 3546										
Blank (B186051-BLK1)										
					Prepared: 09/12/17 Analyzed: 09/13/17					
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	2.76		mg/Kg wet	3.33		82.8	50-150			
LCS (B186051-BS1)										
					Prepared: 09/12/17 Analyzed: 09/13/17					
CT ETPH	19.8	10	mg/Kg wet	33.3		59.3 *	60-120			L-07
Surrogate: o-Terphenyl	2.36		mg/Kg wet	3.33		70.8	50-150			
LCS Dup (B186051-BSD1)										
					Prepared: 09/12/17 Analyzed: 09/13/17					
CT ETPH	22.6	10	mg/Kg wet	33.3		67.8	60-120	13.3	30	
Surrogate: o-Terphenyl	2.53		mg/Kg wet	3.33		75.8	50-150			

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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
DL	Method Detection Limit
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-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
SW-846 8082A in Soil	
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	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
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	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
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 5-day

Other: _____

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

Data Delivery:
 PDF EXCEL Other: _____

Enhanced Data Package Required:

Email To: beelerm@wseinc.com

Fax To #: _____

of Containers: _____

Preservation Code: _____

Container Code: _____

Disposer/Waste Supplies:
 Field Filtered
 Lab to Filter

Anthroposphate Supplies:
 Field Filtered
 Lab to Filter

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1	WS-ADC-158-2-2	9/16/17	1323	X	X	S	V
2	WS-ADC-158-2-3	9/16/17	1324	X	X	S	V
3	WS-ADC-158-7-1	9/16/17	1333	X	X	S	V
4	WS-ADC-158-7-2	9/16/17	1334	X	X	S	V
5	WS-ADC-158-7-3	9/16/17	1335	X	X	S	V
6	WS-ADC-12E-50-52-1	9/5/17	1518	X	X	S	V
7	WS-ADC-12E-50-52-2	9/5/17	1519	X	X	S	V
8	WS-ADC-12E-50-45-1	9/5/17	1524	X	X	S	V
9	WS-ADC-12E-20-45-2	9/5/17	1527	X	X	S	V
10	WS-ADC-12E-50-45-3	9/5/17	1534	X	X	S	V

Matrix Codes:
 GW = Ground Water
 WW = Waste Water
 DW = Drinking Water
 A = Air
 S = Soil/Solid
 SL = Sludge
 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
SOPHAT
EPA H

Program Information

MCP Analytical Certification Form Required
 RCP Analysis Certification Form Required
 MA State DW Form Required

PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

Turnaround Time (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

39 Spruce St.
 East Longmeadow, MA. 01028
 P: 413-525-2332
 F: 413-525-6405
 www.contestlabs.com



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 JM Date 9/6/17 Time 1630

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 # 1 Actual Temp - 3.1
 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 Who was notified? _____
 Are there Rushes? N/A Who was notified? _____
 Are there Short Holds? N/A Who was notified? _____

Is there enough Volume? T MS/MSD? N/A
 Is there Headspace where applicable? N/A Is splitting samples required? N/A
 Proper Media/Containers Used? T On COC? N/A
 Were trip blanks received? N/A
 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 <u>Amb</u> 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:

D:\HPCHEM\1\DATA\A091317.SEC\A0913007.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/13/17
 Data File Name A0913007.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	588071	606245	-3
c - 10	1.63	595033	606245	-2
c - 12	2.35	611957	606245	1
c - 14	3.01	622160	606245	3
c - 16	3.61	634325	606245	5
c - 18	4.23	624551	606245	3
o-Terphenyl	4.51	692611	606245	
c - 20	4.83	629691	606245	4
c - 22	5.34	636645	606245	5
c - 24	5.77	591488	606245	-2
c - 26	6.16	620737	606245	2
c - 28	6.52	609671	606245	1
c - 30	6.85	598868	606245	-1
c - 32	7.16	577682	606245	-5
c - 34	7.46	576944	606245	-5
c - 36	7.77	575858	606245	-5

* One compound allowed %D </= 50%

Samples

17I0175-01
 17I0175-03@10X
 17I0177-17@10X

D:\HPCHEM\1\DATA\A091317\A0913108.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/14/17
 Data File Name A0913108.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	553300	590564	-6
c - 10	1.64	561513	590564	-5
c - 12	2.37	575104	590564	-3
c - 14	3.04	585879	590564	-1
c - 16	3.65	600478	590564	2
c - 18	4.29	597328	590564	1
o-Terphenyl	4.57	669326	590564	
c - 20	4.89	609508	590564	3
c - 22	5.40	625539	590564	6
c - 24	5.83	589170	590564	0
c - 26	6.23	623817	590564	6
c - 28	6.59	615149	590564	4
c - 30	6.92	604930	590564	2
c - 32	7.23	579634	590564	-2
c - 34	7.53	572069	590564	-3
c - 36	7.87	565044	590564	-4

* One compound allowed %D <= 50%

Samples

1710175-08
 1710248-02



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: 510 Grand Ave., New Haven, CT

Project Number: 17I0175

Laboratory Sample ID(s):

17I0175-01 thru 17I0175-10

Sample Date(s):

09/05/2017,

09/06/2017

List RCP Methods Used:

CTDEP ETPH, 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 checked="" type="checkbox"/> Yes <input 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."

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:

Position: Project Manager

Printed Name: Lisa A. Worthington

Date: 09/19/17

Name of Laboratory: Con-Test Analytical Laboratory

This certification form is to be used for RCP methods only.

September 19, 2017

Malcolm Beeler
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: 510 Grand Ave., New Haven, CT
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17I0177

Enclosed are results of analyses for samples received by the laboratory on September 6, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "James Georgantas". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

James M. Georgantas
Project Manager

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

Weston & Sampson
 273 Dividend Road
 Rocky Hill, CT 06067
 ATTN: Malcolm Beeler

REPORT DATE: 9/19/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 1710177

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

PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC-12E-S0-49-1	1710177-01	Soil		SM 2540G SW-846 8082A	
WS-AOC-12E-S0-49-2	1710177-02	Soil		SM 2540G SW-846 8082A	
WS-AOC-12E-S0-49-3	1710177-03	Soil		SM 2540G SW-846 8082A	
WS-AOC-12E-S0-37-1	1710177-04	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC-12E-S0-37-2	1710177-05	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC-12E-S0-37-3	1710177-06	Soil		SM 2540G SW-846 8082A	
WS-AOC-12E-S0-51-1	1710177-07	Soil		SM 2540G SW-846 8082A	
WS-AOC-12E-S0-51-2	1710177-08	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC-12E-S0-51-3	1710177-09	Soil		SM 2540G SW-846 8082A	
WS-AOC-12E-S0-39-1	1710177-10	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC-12E-S0-39-2	1710177-11	Soil		SM 2540G SW-846 8082A	
WS-AOC-12E-S0-39-3	1710177-12	Soil		SM 2540G SW-846 8082A	
WS-AOC-12E-S0-41-1	1710177-13	Soil		SM 2540G SW-846 8082A	
WS-AOC-12E-S0-41-2	1710177-14	Soil		SM 2540G SW-846 8082A	
WS-AOC-12E-S0-41-3	1710177-15	Soil		SM 2540G SW-846 8082A	
WS-AOC-12E-S0-48-1	1710177-16	Soil		SM 2540G SW-846 8082A	
WS-AOC-12E-S0-48-2	1710177-17	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC-12E-S0-48-3	1710177-18	Soil		SM 2540G SW-846 8082A	

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Weston & Sampson
 273 Dividend Road
 Rocky Hill, CT 06067
 ATTN: Malcolm Beeler

REPORT DATE: 9/19/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 1710177

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

PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC-12E-S0-DUP-48	1710177-19	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC-15-S0-2-1	1710177-20	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.

CTDEP ETPH**Qualifications:****L-07**

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

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

B186051-BS1

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:**o-Terphenyl**

1710177-04[WS-AOC-12E-S0-37-1], 1710177-10[WS-AOC-12E-S0-39-1]

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: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-49-1

Sampled: 9/6/2017 09:29

Sample ID: 1710177-01

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	0.091	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:12	KAL
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:12	KAL
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:12	KAL
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:12	KAL
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:12	KAL
Aroclor-1254 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:12	KAL
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:12	KAL
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:12	KAL
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:12	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		90.7	30-150					9/18/17 11:12	
Decachlorobiphenyl [2]		101	30-150					9/18/17 11:12	
Tetrachloro-m-xylene [1]		98.6	30-150					9/18/17 11:12	
Tetrachloro-m-xylene [2]		97.7	30-150					9/18/17 11:12	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-49-1

Sampled: 9/6/2017 09:29

Sample ID: 1710177-01

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	87.7		% Wt	1		SM 2540G	9/7/17	9/8/17 8:18	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-49-2

Sampled: 9/6/2017 09:30

Sample ID: 1710177-02

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	9/11/17	9/18/17 11:24	KAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:24	KAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:24	KAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:24	KAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:24	KAL
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:24	KAL
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:24	KAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:24	KAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:24	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		81.8	30-150					9/18/17 11:24	
Decachlorobiphenyl [2]		92.7	30-150					9/18/17 11:24	
Tetrachloro-m-xylene [1]		91.7	30-150					9/18/17 11:24	
Tetrachloro-m-xylene [2]		90.8	30-150					9/18/17 11:24	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-49-2

Sampled: 9/6/2017 09:30

Sample ID: 1710177-02

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	89.2		% Wt	1		SM 2540G	9/7/17	9/8/17 8:18	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-49-3

Sampled: 9/6/2017 09:31

Sample ID: 1710177-03

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	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:37	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:37	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:37	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:37	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:37	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:37	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:37	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:37	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:37	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		82.9	30-150					9/18/17 11:37	
Decachlorobiphenyl [2]		115	30-150					9/18/17 11:37	
Tetrachloro-m-xylene [1]		86.4	30-150					9/18/17 11:37	
Tetrachloro-m-xylene [2]		83.6	30-150					9/18/17 11:37	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-49-3

Sampled: 9/6/2017 09:31

Sample ID: 1710177-03

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	70.7		% Wt	1		SM 2540G	9/7/17	9/8/17 8:18	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-37-1

Sampled: 9/6/2017 09:53

Sample ID: 1710177-04

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	0.092	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:49	KAL
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:49	KAL
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:49	KAL
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:49	KAL
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:49	KAL
Aroclor-1254 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:49	KAL
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:49	KAL
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:49	KAL
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:49	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		85.5	30-150					9/18/17 11:49	
Decachlorobiphenyl [2]		100	30-150					9/18/17 11:49	
Tetrachloro-m-xylene [1]		95.6	30-150					9/18/17 11:49	
Tetrachloro-m-xylene [2]		94.7	30-150					9/18/17 11:49	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-37-1

Sampled: 9/6/2017 09:53

Sample ID: 1710177-04

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	1100	230	mg/Kg dry	20		CTDEP ETPH	9/12/17	9/14/17 20:03	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		*	50-150		S-01			9/14/17 20:03	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-37-1

Sampled: 9/6/2017 09:53

Sample ID: 1710177-04

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	86.6		% Wt	1		SM 2540G	9/7/17	9/8/17 8:18	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-37-2

Sampled: 9/6/2017 09:54

Sample ID: 1710177-05

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	0.10	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:01	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:01	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:01	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:01	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:01	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:01	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:01	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:01	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:01	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		80.8	30-150					9/18/17 12:01	
Decachlorobiphenyl [2]		95.7	30-150					9/18/17 12:01	
Tetrachloro-m-xylene [1]		88.8	30-150					9/18/17 12:01	
Tetrachloro-m-xylene [2]		85.1	30-150					9/18/17 12:01	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-37-2

Sampled: 9/6/2017 09:54

Sample ID: 1710177-05

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	150	62	mg/Kg dry	5		CTDEP ETPH	9/12/17	9/14/17 18:51	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		58.2	50-150					9/14/17 18:51	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-37-2

Sampled: 9/6/2017 09:54

Sample ID: 1710177-05

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	80.1		% Wt	1		SM 2540G	9/7/17	9/8/17 8:18	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-37-3

Sampled: 9/6/2017 10:15

Sample ID: 1710177-06

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	0.096	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:13	KAL
Aroclor-1221 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:13	KAL
Aroclor-1232 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:13	KAL
Aroclor-1242 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:13	KAL
Aroclor-1248 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:13	KAL
Aroclor-1254 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:13	KAL
Aroclor-1260 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:13	KAL
Aroclor-1262 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:13	KAL
Aroclor-1268 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:13	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.8	30-150					9/18/17 12:13	
Decachlorobiphenyl [2]		94.6	30-150					9/18/17 12:13	
Tetrachloro-m-xylene [1]		100	30-150					9/18/17 12:13	
Tetrachloro-m-xylene [2]		96.9	30-150					9/18/17 12:13	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-37-3

Sampled: 9/6/2017 10:15

Sample ID: 1710177-06

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	83.7		% Wt	1		SM 2540G	9/7/17	9/8/17 8:18	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-51-1

Sampled: 9/6/2017 10:49

Sample ID: 1710177-07

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	9/11/17	9/18/17 12:25	KAL
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:25	KAL
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:25	KAL
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:25	KAL
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:25	KAL
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:25	KAL
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:25	KAL
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:25	KAL
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:25	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		87.3	30-150					9/18/17 12:25	
Decachlorobiphenyl [2]		96.2	30-150					9/18/17 12:25	
Tetrachloro-m-xylene [1]		99.8	30-150					9/18/17 12:25	
Tetrachloro-m-xylene [2]		98.8	30-150					9/18/17 12:25	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-51-1

Sampled: 9/6/2017 10:49

Sample ID: 1710177-07

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	90.9		% Wt	1		SM 2540G	9/7/17	9/8/17 8:18	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-51-2

Sampled: 9/6/2017 10:50

Sample ID: 1710177-08

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	0.094	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:37	KAL
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:37	KAL
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:37	KAL
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:37	KAL
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:37	KAL
Aroclor-1254 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:37	KAL
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:37	KAL
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:37	KAL
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:37	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		79.3	30-150					9/18/17 12:37	
Decachlorobiphenyl [2]		91.6	30-150					9/18/17 12:37	
Tetrachloro-m-xylene [1]		92.9	30-150					9/18/17 12:37	
Tetrachloro-m-xylene [2]		90.1	30-150					9/18/17 12:37	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-51-2

Sampled: 9/6/2017 10:50

Sample ID: 1710177-08

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	110	59	mg/Kg dry	5		CTDEP ETPH	9/12/17	9/14/17 19:09	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		59.3	50-150					9/14/17 19:09	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-51-2

Sampled: 9/6/2017 10:50

Sample ID: 1710177-08

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	84.7		% Wt	1		SM 2540G	9/7/17	9/8/17 8:18	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-51-3

Sampled: 9/6/2017 10:51

Sample ID: 1710177-09

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	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:50	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:50	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:50	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:50	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:50	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:50	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:50	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:50	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:50	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		80.5	30-150					9/18/17 12:50	
Decachlorobiphenyl [2]		98.5	30-150					9/18/17 12:50	
Tetrachloro-m-xylene [1]		93.9	30-150					9/18/17 12:50	
Tetrachloro-m-xylene [2]		89.1	30-150					9/18/17 12:50	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-51-3

Sampled: 9/6/2017 10:51

Sample ID: 1710177-09

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	74.7		% Wt	1		SM 2540G	9/7/17	9/8/17 8:18	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-39-1

Sampled: 9/6/2017 10:45

Sample ID: 1710177-10

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	0.086	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 13:48	KAL
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 13:48	KAL
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 13:48	KAL
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 13:48	KAL
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 13:48	KAL
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 13:48	KAL
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 13:48	KAL
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 13:48	KAL
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 13:48	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		78.6	30-150					9/18/17 13:48	
Decachlorobiphenyl [2]		91.3	30-150					9/18/17 13:48	
Tetrachloro-m-xylene [1]		94.0	30-150					9/18/17 13:48	
Tetrachloro-m-xylene [2]		93.5	30-150					9/18/17 13:48	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-39-1

Sampled: 9/6/2017 10:45

Sample ID: 1710177-10

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	690	210	mg/Kg dry	20		CTDEP ETPH	9/12/17	9/14/17 19:27	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		*	50-150		S-01			9/14/17 19:27	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-39-1

Sampled: 9/6/2017 10:45

Sample ID: 1710177-10

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	93.5		% Wt	1		SM 2540G	9/7/17	9/8/17 8:18	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-39-2

Sampled: 9/6/2017 10:46

Sample ID: 1710177-11

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	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:01	KAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:01	KAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:01	KAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:01	KAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:01	KAL
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:01	KAL
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:01	KAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:01	KAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:01	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		72.3	30-150					9/18/17 14:01	
Decachlorobiphenyl [2]		85.4	30-150					9/18/17 14:01	
Tetrachloro-m-xylene [1]		90.6	30-150					9/18/17 14:01	
Tetrachloro-m-xylene [2]		96.1	30-150					9/18/17 14:01	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-39-2

Sampled: 9/6/2017 10:46

Sample ID: 1710177-11

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	89.2		% Wt	1		SM 2540G	9/7/17	9/8/17 8:18	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-39-3

Sampled: 9/6/2017 10:47

Sample ID: 1710177-12

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	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:13	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:13	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:13	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:13	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:13	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:13	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:13	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:13	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:13	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		69.1	30-150					9/18/17 14:13	
Decachlorobiphenyl [2]		102	30-150					9/18/17 14:13	
Tetrachloro-m-xylene [1]		83.8	30-150					9/18/17 14:13	
Tetrachloro-m-xylene [2]		82.3	30-150					9/18/17 14:13	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-39-3

Sampled: 9/6/2017 10:47

Sample ID: 1710177-12

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	73.3		% Wt	1		SM 2540G	9/7/17	9/8/17 8:18	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-41-1

Sampled: 9/6/2017 11:07

Sample ID: 1710177-13

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	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:25	KAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:25	KAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:25	KAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:25	KAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:25	KAL
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:25	KAL
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:25	KAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:25	KAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:25	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		72.4	30-150					9/18/17 14:25	
Decachlorobiphenyl [2]		85.5	30-150					9/18/17 14:25	
Tetrachloro-m-xylene [1]		87.4	30-150					9/18/17 14:25	
Tetrachloro-m-xylene [2]		88.6	30-150					9/18/17 14:25	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-41-1

Sampled: 9/6/2017 11:07

Sample ID: 1710177-13

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	88.8		% Wt	1		SM 2540G	9/7/17	9/8/17 8:18	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-41-2

Sampled: 9/6/2017 11:08

Sample ID: 1710177-14

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	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:37	KAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:37	KAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:37	KAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:37	KAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:37	KAL
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:37	KAL
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:37	KAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:37	KAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:37	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		57.7	30-150					9/18/17 14:37	
Decachlorobiphenyl [2]		71.5	30-150					9/18/17 14:37	
Tetrachloro-m-xylene [1]		80.0	30-150					9/18/17 14:37	
Tetrachloro-m-xylene [2]		82.8	30-150					9/18/17 14:37	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-41-2

Sampled: 9/6/2017 11:08

Sample ID: 1710177-14

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	88.9		% Wt	1		SM 2540G	9/7/17	9/8/17 8:18	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-41-3

Sampled: 9/6/2017 11:09

Sample ID: 1710177-15

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	0.10	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:49	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:49	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:49	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:49	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:49	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:49	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:49	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:49	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:49	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		66.0	30-150					9/18/17 14:49	
Decachlorobiphenyl [2]		79.7	30-150					9/18/17 14:49	
Tetrachloro-m-xylene [1]		91.7	30-150					9/18/17 14:49	
Tetrachloro-m-xylene [2]		89.7	30-150					9/18/17 14:49	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-41-3

Sampled: 9/6/2017 11:09

Sample ID: 1710177-15

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	78.3		% Wt	1		SM 2540G	9/7/17	9/8/17 8:18	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-48-1

Sampled: 9/6/2017 11:00

Sample ID: 1710177-16

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	0.084	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:02	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:02	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:02	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:02	KAL
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:02	KAL
Aroclor-1254 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:02	KAL
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:02	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:02	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:02	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		77.4	30-150					9/18/17 15:02	
Decachlorobiphenyl [2]		90.3	30-150					9/18/17 15:02	
Tetrachloro-m-xylene [1]		102	30-150					9/18/17 15:02	
Tetrachloro-m-xylene [2]		102	30-150					9/18/17 15:02	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-48-1

Sampled: 9/6/2017 11:00

Sample ID: 1710177-16

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	94.8		% Wt	1		SM 2540G	9/7/17	9/8/17 8:18	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-48-2

Sampled: 9/6/2017 11:01

Sample ID: 1710177-17

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	0.096	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:14	KAL
Aroclor-1221 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:14	KAL
Aroclor-1232 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:14	KAL
Aroclor-1242 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:14	KAL
Aroclor-1248 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:14	KAL
Aroclor-1254 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:14	KAL
Aroclor-1260 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:14	KAL
Aroclor-1262 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:14	KAL
Aroclor-1268 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:14	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		73.9	30-150					9/18/17 15:14	
Decachlorobiphenyl [2]		97.4	30-150					9/18/17 15:14	
Tetrachloro-m-xylene [1]		97.9	30-150					9/18/17 15:14	
Tetrachloro-m-xylene [2]		96.3	30-150					9/18/17 15:14	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-48-2

Sampled: 9/6/2017 11:01

Sample ID: 1710177-17

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	360	120	mg/Kg dry	10		CTDEP ETPH	9/12/17	9/13/17 19:52	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		57.3	50-150					9/13/17 19:52	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-48-2

Sampled: 9/6/2017 11:01

Sample ID: 1710177-17

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	83.7		% Wt	1		SM 2540G	9/7/17	9/8/17 8:18	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-48-3

Sampled: 9/6/2017 11:02

Sample ID: 1710177-18

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	0.098	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:26	KAL
Aroclor-1221 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:26	KAL
Aroclor-1232 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:26	KAL
Aroclor-1242 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:26	KAL
Aroclor-1248 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:26	KAL
Aroclor-1254 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:26	KAL
Aroclor-1260 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:26	KAL
Aroclor-1262 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:26	KAL
Aroclor-1268 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:26	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		69.3	30-150					9/18/17 15:26	
Decachlorobiphenyl [2]		86.8	30-150					9/18/17 15:26	
Tetrachloro-m-xylene [1]		92.6	30-150					9/18/17 15:26	
Tetrachloro-m-xylene [2]		89.0	30-150					9/18/17 15:26	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-48-3

Sampled: 9/6/2017 11:02

Sample ID: 1710177-18

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	81.4		% Wt	1		SM 2540G	9/7/17	9/8/17 8:18	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-DUP-48

Sampled: 9/6/2017 00:00

Sample ID: 1710177-19

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	0.097	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:38	KAL
Aroclor-1221 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:38	KAL
Aroclor-1232 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:38	KAL
Aroclor-1242 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:38	KAL
Aroclor-1248 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:38	KAL
Aroclor-1254 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:38	KAL
Aroclor-1260 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:38	KAL
Aroclor-1262 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:38	KAL
Aroclor-1268 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:38	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		66.0	30-150					9/18/17 15:38	
Decachlorobiphenyl [2]		77.7	30-150					9/18/17 15:38	
Tetrachloro-m-xylene [1]		85.8	30-150					9/18/17 15:38	
Tetrachloro-m-xylene [2]		82.1	30-150					9/18/17 15:38	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-DUP-48

Sampled: 9/6/2017 00:00

Sample ID: 1710177-19

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	260	120	mg/Kg dry	10		CTDEP ETPH	9/12/17	9/14/17 19:45	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl		67.4		50-150				9/14/17 19:45	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-DUP-48

Sampled: 9/6/2017 00:00

Sample ID: 1710177-19

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	82.2		% Wt	1		SM 2540G	9/7/17	9/8/17 8:18	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-15-S0-2-1

Sampled: 9/6/2017 13:22

Sample ID: 1710177-20

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	0.086	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:50	KAL
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:50	KAL
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:50	KAL
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:50	KAL
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:50	KAL
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:50	KAL
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:50	KAL
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:50	KAL
Aroclor-1268 [2]	0.15	0.086	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:50	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		77.5	30-150					9/18/17 15:50	
Decachlorobiphenyl [2]		92.5	30-150					9/18/17 15:50	
Tetrachloro-m-xylene [1]		90.0	30-150					9/18/17 15:50	
Tetrachloro-m-xylene [2]		92.5	30-150					9/18/17 15:50	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710177

Date Received: 9/6/2017

Field Sample #: WS-AOC-15-S0-2-1

Sampled: 9/6/2017 13:22

Sample ID: 1710177-20

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	93.3		% Wt	1		SM 2540G	9/7/17	9/8/17 8:18	MRL

Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0177-04 [WS-AOC-12E-S0-37-1]	B186051	30.0	1.00	09/12/17
17I0177-05 [WS-AOC-12E-S0-37-2]	B186051	30.0	1.00	09/12/17
17I0177-08 [WS-AOC-12E-S0-51-2]	B186051	30.0	1.00	09/12/17
17I0177-10 [WS-AOC-12E-S0-39-1]	B186051	30.0	1.00	09/12/17
17I0177-17 [WS-AOC-12E-S0-48-2]	B186051	30.0	1.00	09/12/17
17I0177-19 [WS-AOC-12E-S0-DUP-48]	B186051	30.0	1.00	09/12/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17I0177-01 [WS-AOC-12E-S0-49-1]	B185740	09/07/17
17I0177-02 [WS-AOC-12E-S0-49-2]	B185740	09/07/17
17I0177-03 [WS-AOC-12E-S0-49-3]	B185740	09/07/17
17I0177-04 [WS-AOC-12E-S0-37-1]	B185740	09/07/17
17I0177-05 [WS-AOC-12E-S0-37-2]	B185740	09/07/17
17I0177-06 [WS-AOC-12E-S0-37-3]	B185740	09/07/17
17I0177-07 [WS-AOC-12E-S0-51-1]	B185740	09/07/17
17I0177-08 [WS-AOC-12E-S0-51-2]	B185740	09/07/17
17I0177-09 [WS-AOC-12E-S0-51-3]	B185740	09/07/17
17I0177-10 [WS-AOC-12E-S0-39-1]	B185740	09/07/17
17I0177-11 [WS-AOC-12E-S0-39-2]	B185740	09/07/17
17I0177-12 [WS-AOC-12E-S0-39-3]	B185740	09/07/17
17I0177-13 [WS-AOC-12E-S0-41-1]	B185740	09/07/17
17I0177-14 [WS-AOC-12E-S0-41-2]	B185740	09/07/17
17I0177-15 [WS-AOC-12E-S0-41-3]	B185740	09/07/17
17I0177-16 [WS-AOC-12E-S0-48-1]	B185740	09/07/17
17I0177-17 [WS-AOC-12E-S0-48-2]	B185740	09/07/17
17I0177-18 [WS-AOC-12E-S0-48-3]	B185740	09/07/17
17I0177-19 [WS-AOC-12E-S0-DUP-48]	B185740	09/07/17
17I0177-20 [WS-AOC-15-S0-2-1]	B185740	09/07/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0177-01 [WS-AOC-12E-S0-49-1]	B185967	10.0	10.0	09/11/17
17I0177-02 [WS-AOC-12E-S0-49-2]	B185967	10.0	10.0	09/11/17
17I0177-03 [WS-AOC-12E-S0-49-3]	B185967	10.0	10.0	09/11/17
17I0177-04 [WS-AOC-12E-S0-37-1]	B185967	10.0	10.0	09/11/17
17I0177-05 [WS-AOC-12E-S0-37-2]	B185967	10.0	10.0	09/11/17
17I0177-06 [WS-AOC-12E-S0-37-3]	B185967	10.0	10.0	09/11/17
17I0177-07 [WS-AOC-12E-S0-51-1]	B185967	10.0	10.0	09/11/17
17I0177-08 [WS-AOC-12E-S0-51-2]	B185967	10.0	10.0	09/11/17
17I0177-09 [WS-AOC-12E-S0-51-3]	B185967	10.0	10.0	09/11/17
17I0177-10 [WS-AOC-12E-S0-39-1]	B185967	10.0	10.0	09/11/17
17I0177-11 [WS-AOC-12E-S0-39-2]	B185967	10.0	10.0	09/11/17
17I0177-12 [WS-AOC-12E-S0-39-3]	B185967	10.0	10.0	09/11/17
17I0177-13 [WS-AOC-12E-S0-41-1]	B185967	10.0	10.0	09/11/17
17I0177-14 [WS-AOC-12E-S0-41-2]	B185967	10.0	10.0	09/11/17
17I0177-15 [WS-AOC-12E-S0-41-3]	B185967	10.0	10.0	09/11/17
17I0177-16 [WS-AOC-12E-S0-48-1]	B185967	10.0	10.0	09/11/17
17I0177-17 [WS-AOC-12E-S0-48-2]	B185967	10.0	10.0	09/11/17
17I0177-18 [WS-AOC-12E-S0-48-3]	B185967	10.0	10.0	09/11/17
17I0177-19 [WS-AOC-12E-S0-DUP-48]	B185967	10.0	10.0	09/11/17

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
1710177-20 [WS-AOC-15-S0-2-1]	B185967	10.0	10.0	09/11/17

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
Batch B185967 - SW-846 3540C										
Blank (B185967-BLK1)										
Prepared: 09/11/17 Analyzed: 09/18/17										
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]	0.199		mg/Kg wet	0.200		99.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.179		mg/Kg wet	0.200		89.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.179		mg/Kg wet	0.200		89.3	30-150			
LCS (B185967-BS1)										
Prepared: 09/11/17 Analyzed: 09/18/17										
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		87.6	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		94.9	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		82.2	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		82.3	40-140			
Surrogate: Decachlorobiphenyl	0.180		mg/Kg wet	0.200		89.8	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]	0.177		mg/Kg wet	0.200		88.7	30-150			
LCS Dup (B185967-BSD1)										
Prepared: 09/11/17 Analyzed: 09/18/17										
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		87.4	40-140	0.207	30	
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		93.1	40-140	1.96	30	
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		80.2	40-140	2.49	30	
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		80.9	40-140	1.79	30	
Surrogate: Decachlorobiphenyl	0.172		mg/Kg wet	0.200		86.2	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		88.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.176		mg/Kg wet	0.200		88.2	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
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Batch B185967 - SW-846 3540C

Matrix Spike (B185967-MS1)

Source: 17I0177-12

Prepared: 09/11/17 Analyzed: 09/18/17

Aroclor-1016	0.19	0.11	mg/Kg dry	0.273	ND	71.0	40-140			
Aroclor-1016 [2C]	0.22	0.11	mg/Kg dry	0.273	ND	81.4	40-140			
Aroclor-1260	0.15	0.11	mg/Kg dry	0.273	ND	55.7	40-140			
Aroclor-1260 [2C]	0.17	0.11	mg/Kg dry	0.273	ND	63.1	40-140			
Surrogate: Decachlorobiphenyl	0.192		mg/Kg dry	0.273		70.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.398		mg/Kg dry	0.273		146	30-150			
Surrogate: Tetrachloro-m-xylene	0.213		mg/Kg dry	0.273		78.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.226		mg/Kg dry	0.273		82.9	30-150			

Matrix Spike Dup (B185967-MSD1)

Source: 17I0177-12

Prepared: 09/11/17 Analyzed: 09/18/17

Aroclor-1016	0.17	0.11	mg/Kg dry	0.273	ND	61.9	40-140	13.6	50	
Aroclor-1016 [2C]	0.21	0.11	mg/Kg dry	0.273	ND	77.5	40-140	4.95	50	
Aroclor-1260	0.15	0.11	mg/Kg dry	0.273	ND	56.7	40-140	1.85	50	
Aroclor-1260 [2C]	0.18	0.11	mg/Kg dry	0.273	ND	65.1	40-140	3.16	50	
Surrogate: Decachlorobiphenyl	0.188		mg/Kg dry	0.273		68.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.269		mg/Kg dry	0.273		98.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.226		mg/Kg dry	0.273		82.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.227		mg/Kg dry	0.273		83.3	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186051 - SW-846 3546										
Blank (B186051-BLK1)										
					Prepared: 09/12/17 Analyzed: 09/13/17					
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	2.76		mg/Kg wet	3.33		82.8	50-150			
LCS (B186051-BS1)										
					Prepared: 09/12/17 Analyzed: 09/13/17					
CT ETPH	19.8	10	mg/Kg wet	33.3		59.3 *	60-120			L-07
Surrogate: o-Terphenyl	2.36		mg/Kg wet	3.33		70.8	50-150			
LCS Dup (B186051-BSD1)										
					Prepared: 09/12/17 Analyzed: 09/13/17					
CT ETPH	22.6	10	mg/Kg wet	33.3		67.8	60-120	13.3	30	
Surrogate: o-Terphenyl	2.53		mg/Kg wet	3.33		75.8	50-150			

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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
Batch B185740 - % Solids										
Duplicate (B185740-DUP1)	Source: 17I0177-11			Prepared: 09/07/17 Analyzed: 09/08/17						
% Solids	90.7		% Wt		89.2			1.67	20	
Duplicate (B185740-DUP2)	Source: 17I0177-12			Prepared: 09/07/17 Analyzed: 09/08/17						
% Solids	76.7		% Wt		73.3			4.53	20	

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

WS-AOC-15-S0-2-1

SW-846 8082A

Lab Sample ID: 1710177-20 Date(s) Analyzed: 09/18/2017 09/18/2017

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-1268	1	0.000	-0.030	0.030	0.13	
	2	0.000	-0.030	0.030	0.15	14.3

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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
DL	Method Detection Limit
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-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
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
CTDEP ETPH in Soil	
CT ETPH	CT
SW-846 8082A in Soil	
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	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
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	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

con-test
ANALYTICAL LABORATORY

3 Large Blue

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

Company Name: Weston & Sampson Engineers
Address: 273 Dividend Rd Rocky Hill, CT
Phone: 860 513-1473

Project Name: English Station
Project Location: 510 Grand Ave, New Haven, CT
Project Number: 2170495
Project Manager: Malcolm Beeler

Con-Test Bid: Malcolm Beeler (Weston & Sampson)
Sampled By: Chris Berthiaume/Will Sirotnak

Requested Turnaround Time:
7-Day 10-Day
Other: 5-Day

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

Data Delivery:
Format: PDF EXCEL
Other:

Enhanced Data Package Required:
Email To: beelerm@wseinc.com
Fax To #: _____

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1	WS-ADC-12E#49-1	9/6/17	9:29		X	S	U
2	WS-ADC-12E#49-2	9/6/17	9:30		X	S	U
3	WS-ADC-12E#49-3	9/6/17	9:31		X	S	U
4	WS-ADC-12E#37-1	9/6/17	9:53		X	S	U
5	WS-ADC-12E#37-2	9/6/17	9:54		X	S	U
6	WS-ADC-12E#37-3	9/6/17	10:15		X	S	U
7	WS-ADC-12E#51-1	9/6/17	10:49		X	S	U
8	WS-ADC-12E#51-2	9/6/17	10:50		X	S	U
9	WS-ADC-12E#51-3	9/6/17	10:51		X	S	U
10	WS-ADC-12E#39-1	9/6/17	10:45		X	S	U

Comments:
Please hold excess volumes for possible SPLP 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

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

Orthophosphate Samples:
 Field Filtered
 Lab to Filter

Dissolved Metals Samples:
 Field Filtered
 Lab to Filter

Program Information:
 MCP Analytical Certification Form Required
 RCP Analytical Certification Form Required
 MA State DW Form Required
PWSID # _____

NETAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

CHAIN OF CUSTODY RECORD
 1710177
 39 Spruce Street
 East Longmeadow, MA 01028

Phone: 413-525-2332
 Fax: 413-525-6405



Company Name: **con-test**
 Address: 273 Dividend Rd Rcooky Hill, CT
 Phone: 860 513-1473
 Project Name: English Station
 Project Location: 510 Grand Ave, New Haven, CT
 Project Number: 2170495
 Project Manager: Malcolm Beeler
 Con-Test Bid: Malcolm Beeler
 Invoice Recipient: Malcolm Beeler (Weston & Sampson)
 Sampled By: Chris Berthiaume/Will Sirotnak

Requested Turnaround Time
 7-Day 10-Day
 Other: 5-day
 Rush-Approval Required
 1-Day 3-Day
 2-Day 4-Day
 Data Delivery
 Format: PDF EXCEL
 Other:
 Enhanced Data Package Required:
 Email To: beelerm@wseinc.com
 Fax To #:

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
11	WS-ADC-12E3839-2	9/16/17	1046		X	S	U
12	WS-ADC-12E3839-3	9/16/17	1047		X	S	U
13	WS-ADC-12E3841-1	9/16/17	1107		X	S	U
14	WS-ADC-12E3841-2	9/16/17	1108		X	S	U
15	WS-ADC-12E3841-3	9/16/17	1109		X	S	U
16	WS-ADC-12E3848-1	9/16/17	1100		X	S	U
17	WS-ADC-12E3848-2	9/16/17	1101		X	S	U
18	WS-ADC-12E3848-3	9/16/17	1102		X	S	U
19	WS-ADC-12E3848-DUP 48	9/16/17	-		X	S	U
20	WS-ADC-15382-1	9/16/17	1322		X	S	U

Comments:
 Please hold excess volumes for possible SPLP analyses.
 For WS-ADC-12E-39-3 please do MS/MSD

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: 9/16/17 1830
 Received by: (signature) *[Signature]* Date/Time: 9/16/17 1930
 Relinquished by: (signature) *[Signature]* Date/Time: 9/16/17 1630
 Received by: (signature) *[Signature]* Date/Time: 9/16/17 1630
 Relinquished by: (signature) _____ Date/Time: _____
 Received by: (signature) _____ Date/Time: _____

Detection Limit Requirements
 MA
 GT
 Other:
 TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

Program Information
 MCP Analytical Certification Form Required
 RCP Analysis Certification Form Required
 MA State DW Form Required
 PWSID # _____
 NELAC and AIHA-LAP, LLC Accredited

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/Solid
 SL = Sludge
 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)

39 Spruce St.
 East Longmeadow, MA. 01028
 P: 413-525-2332
 F: 413-525-6405
 www.contestlabs.com



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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 + Sampson
 Received By JM Date 9/6/17 Time 1630

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 # 1 Actual Temp - 3.1
 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 Who was notified? _____
 Are there Rushes? N/A Who was notified? _____
 Are there Short Holds? N/A Who was notified? _____

Is there enough Volume? T
 Is there Headspace where applicable? N/A MS/MSD? N/A
 Proper Media/Containers Used? T Is splitting samples required? N/A
 Were trip blanks received? N/A On COC? N/A
 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:

D:\HPCHEM\1\DATA\A091317.SEC\A0913007.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/13/17
Data File Name A0913007.D
Sample Name ETPH 1500
Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	588071	606245	-3
c - 10	1.63	595033	606245	-2
c - 12	2.35	611957	606245	1
c - 14	3.01	622160	606245	3
c - 16	3.61	634325	606245	5
c - 18	4.23	624551	606245	3
o-Terphenyl	4.51	692611	606245	
c - 20	4.83	629691	606245	4
c - 22	5.34	636645	606245	5
c - 24	5.77	591488	606245	-2
c - 26	6.16	620737	606245	2
c - 28	6.52	609671	606245	1
c - 30	6.85	598868	606245	-1
c - 32	7.16	577682	606245	-5
c - 34	7.46	576944	606245	-5
c - 36	7.77	575858	606245	-5

* One compound allowed %D </= 50%

Samples

17I0175-01
17I0175-03@10X
17I0177-17@10X

D:\HPCHEM\1\DATA\A091417\A0914006.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/14/17
 Data File Name A0914006.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	453384	492607	-8
c - 10	1.64	459697	492607	-7
c - 12	2.37	475397	492607	-3
c - 14	3.04	486082	492607	-1
c - 16	3.65	499764	492607	1
c - 18	4.29	497896	492607	1
o-Terphenyl	4.57	557590	492607	
c - 20	4.89	508182	492607	3
c - 22	5.39	521020	492607	6
c - 24	5.83	490841	492607	0
c - 26	6.23	519460	492607	5
c - 28	6.59	511554	492607	4
c - 30	6.92	503634	492607	2
c - 32	7.24	486513	492607	-1
c - 34	7.53	487105	492607	-1
c - 36	7.88	488572	492607	-1

* One compound allowed %D <= 50%

Samples

17I0177-05
 17I0177-08
 17I0177-10
 17I0177-19
 17I0177-04
 17I0325-03

D:\HPCHEM\1\DATA\A091417.SEC\A0914007.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/14/17
 Data File Name A0914007.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	%D +/- 20
c - 9	1.28	539073	575809	-6
c - 10	1.62	543533	575809	-6
c - 12	2.34	558790	575809	-3
c - 14	3.01	572281	575809	-1
c - 16	3.61	587727	575809	2
c - 18	4.23	583831	575809	1
o-Terphenyl	4.51	652231	575809	
c - 20	4.83	593936	575809	3
c - 22	5.34	605192	575809	5
c - 24	5.77	567503	575809	-1
c - 26	6.17	598870	575809	4
c - 28	6.52	591410	575809	3
c - 30	6.85	587003	575809	2
c - 32	7.16	570625	575809	-1
c - 34	7.46	570163	575809	-1
c - 36	7.77	567197	575809	-1

* One compound allowed %D <= 50%

Samples

17I0174-01
 17I0174-02
 17I0287-02
 17I0287-03
 17I0287-04
 17I0314-01
 17I0314-02
 17I0314-03
 17I0322-01
 17I0325-01
 17I0325-02
 17I0325-03



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: 510 Grand Ave., New Haven, CT

Project Number: 1710177

Laboratory Sample ID(s):

Sample Date(s):

1710177-01 thru 1710177-20

09/06/2017

List RCP Methods Used:

CTDEP ETPH, 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 checked="" type="checkbox"/> Yes <input 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 checked="" type="checkbox"/> Yes <input 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."

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 Worthington

Position: Project Manager

Printed Name: Lisa A. Worthington

Date: 09/19/17

Name of Laboratory: Con-Test Analytical Laboratory

This certification form is to be used for RCP methods only.

September 22, 2017

Malcolm Beeler
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: 510 Grand Ave., New Haven, CT
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17I0320

Enclosed are results of analyses for samples received by the laboratory on September 8, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "James M. Georgantas". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

James M. Georgantas
Project Manager

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

Weston & Sampson
 273 Dividend Road
 Rocky Hill, CT 06067
 ATTN: Malcolm Beeler

REPORT DATE: 9/22/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 1710320

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

PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC-6-SO-16-3	1710320-01	Soil		SM 2540G SW-846 8082A	
WS-AOC-6-SO-16-4	1710320-02	Soil		SM 2540G SW-846 8082A	
WS-AOC-6-SO-10-1	1710320-03	Soil		SM 2540G SW-846 8082A	
WS-AOC-6-SO-10-2	1710320-04	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC-6-SO-10-3	1710320-05	Soil		SM 2540G SW-846 8082A	
WS-AOC-6-SO-10-4	1710320-06	Soil		SM 2540G SW-846 8082A	
WS-AOC-6-SO-15-1	1710320-07	Soil		SM 2540G SW-846 8082A	
WS-AOC-6-SO-15-2	1710320-08	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC-6-SO-15-3	1710320-09	Soil		SM 2540G SW-846 8082A SW-846 8270D	
WS-AOC-6-SO-15-4	1710320-10	Soil		SM 2540G SW-846 8082A	
WS-AOC-6-SO-9-1	1710320-11	Soil		SM 2540G SW-846 8082A	
WS-AOC-6-SO-9-2	1710320-12	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC-6-SO-9-3	1710320-13	Soil		SM 2540G SW-846 8082A	
WS-AOC-6-SO-9-4	1710320-14	Soil		SM 2540G SW-846 8082A	
WS-AOC-6-SO-14-1	1710320-15	Soil		SM 2540G SW-846 8082A	
WS-AOC-6-SO-14-2	1710320-16	Soil		CTDEP ETPH SM 2540G SW-846 8082A	
WS-AOC-6-SO-14-3	1710320-17	Soil		SM 2540G SW-846 8082A	
WS-AOC-6-SO-14-4	1710320-18	Soil		SM 2540G SW-846 8082A	

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

Weston & Sampson
 273 Dividend Road
 Rocky Hill, CT 06067
 ATTN: Malcolm Beeler

REPORT DATE: 9/22/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 1710320

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

PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC-12W-SO-109-1	1710320-19	Soil		CTDEP ETPH SM 2540G SW-846 8082A SW-846 8270D	
WS-AOC-12W-SO-109-2	1710320-20	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:

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Aroclor-1260
B186354-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: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-16-3

Sampled: 9/8/2017 11:37

Sample ID: 1710320-01

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	0.097	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 19:49	KAL
Aroclor-1221 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 19:49	KAL
Aroclor-1232 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 19:49	KAL
Aroclor-1242 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 19:49	KAL
Aroclor-1248 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 19:49	KAL
Aroclor-1254 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 19:49	KAL
Aroclor-1260 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 19:49	KAL
Aroclor-1262 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 19:49	KAL
Aroclor-1268 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 19:49	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		92.3	30-150					9/21/17 19:49	
Decachlorobiphenyl [2]		110	30-150					9/21/17 19:49	
Tetrachloro-m-xylene [1]		93.5	30-150					9/21/17 19:49	
Tetrachloro-m-xylene [2]		91.0	30-150					9/21/17 19:49	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-16-3

Sampled: 9/8/2017 11:37

Sample ID: 1710320-01

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	77.9		% Wt	1		SM 2540G	9/14/17	9/15/17 8:05	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-16-4

Sampled: 9/8/2017 11:38

Sample ID: 1710320-02

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	0.098	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:06	KAL
Aroclor-1221 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:06	KAL
Aroclor-1232 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:06	KAL
Aroclor-1242 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:06	KAL
Aroclor-1248 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:06	KAL
Aroclor-1254 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:06	KAL
Aroclor-1260 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:06	KAL
Aroclor-1262 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:06	KAL
Aroclor-1268 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:06	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.1	30-150					9/21/17 20:06	
Decachlorobiphenyl [2]		95.7	30-150					9/21/17 20:06	
Tetrachloro-m-xylene [1]		88.4	30-150					9/21/17 20:06	
Tetrachloro-m-xylene [2]		85.9	30-150					9/21/17 20:06	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-16-4

Sampled: 9/8/2017 11:38

Sample ID: 1710320-02

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	81.4		% Wt	1		SM 2540G	9/14/17	9/15/17 8:05	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-10-1

Sampled: 9/8/2017 11:53

Sample ID: 1710320-03

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	0.12	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:23	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:23	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:23	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:23	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:23	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:23	KAL
Aroclor-1260 [1]	0.34	0.12	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:23	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:23	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:23	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		89.9	30-150					9/21/17 20:23	
Decachlorobiphenyl [2]		105	30-150					9/21/17 20:23	
Tetrachloro-m-xylene [1]		99.0	30-150					9/21/17 20:23	
Tetrachloro-m-xylene [2]		97.4	30-150					9/21/17 20:23	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-10-1

Sampled: 9/8/2017 11:53

Sample ID: 1710320-03

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	67.0		% Wt	1		SM 2540G	9/14/17	9/15/17 8:05	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-10-2

Sampled: 9/8/2017 11:54

Sample ID: 1710320-04

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	9/15/17	9/21/17 20:41	KAL
Aroclor-1221 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:41	KAL
Aroclor-1232 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:41	KAL
Aroclor-1242 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:41	KAL
Aroclor-1248 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:41	KAL
Aroclor-1254 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:41	KAL
Aroclor-1260 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:41	KAL
Aroclor-1262 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:41	KAL
Aroclor-1268 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:41	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		81.2	30-150					9/21/17 20:41	
Decachlorobiphenyl [2]		93.2	30-150					9/21/17 20:41	
Tetrachloro-m-xylene [1]		92.6	30-150					9/21/17 20:41	
Tetrachloro-m-xylene [2]		90.2	30-150					9/21/17 20:41	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-10-2

Sampled: 9/8/2017 11:54

Sample ID: 1710320-04

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	58	12	mg/Kg dry	1		CTDEP ETPH	9/15/17	9/19/17 3:55	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		55.1	50-150					9/19/17 3:55	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-10-2

Sampled: 9/8/2017 11:54

Sample ID: 1710320-04

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	81.6		% Wt	1		SM 2540G	9/14/17	9/15/17 8:05	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-10-3

Sampled: 9/8/2017 11:55

Sample ID: 1710320-05

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	0.086	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:58	KAL
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:58	KAL
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:58	KAL
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:58	KAL
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:58	KAL
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:58	KAL
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:58	KAL
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:58	KAL
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:58	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		90.2	30-150					9/21/17 20:58	
Decachlorobiphenyl [2]		103	30-150					9/21/17 20:58	
Tetrachloro-m-xylene [1]		97.6	30-150					9/21/17 20:58	
Tetrachloro-m-xylene [2]		95.3	30-150					9/21/17 20:58	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-10-3

Sampled: 9/8/2017 11:55

Sample ID: 1710320-05

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	89.6		% Wt	1		SM 2540G	9/14/17	9/15/17 8:05	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-10-4

Sampled: 9/8/2017 11:56

Sample ID: 1710320-06

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	0.10	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 21:15	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 21:15	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 21:15	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 21:15	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 21:15	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 21:15	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 21:15	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 21:15	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 21:15	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		94.8	30-150					9/21/17 21:15	
Decachlorobiphenyl [2]		107	30-150					9/21/17 21:15	
Tetrachloro-m-xylene [1]		98.5	30-150					9/21/17 21:15	
Tetrachloro-m-xylene [2]		96.4	30-150					9/21/17 21:15	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-10-4

Sampled: 9/8/2017 11:56

Sample ID: 1710320-06

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	77.1		% Wt	1		SM 2540G	9/14/17	9/15/17 8:05	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-15-1

Sampled: 9/8/2017 11:57

Sample ID: 1710320-07

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	0.46	mg/Kg dry	20		SW-846 8082A	9/15/17	9/22/17 9:19	KAL
Aroclor-1221 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/15/17	9/22/17 9:19	KAL
Aroclor-1232 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/15/17	9/22/17 9:19	KAL
Aroclor-1242 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/15/17	9/22/17 9:19	KAL
Aroclor-1248 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/15/17	9/22/17 9:19	KAL
Aroclor-1254 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/15/17	9/22/17 9:19	KAL
Aroclor-1260 [2]	2.9	0.46	mg/Kg dry	20		SW-846 8082A	9/15/17	9/22/17 9:19	KAL
Aroclor-1262 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/15/17	9/22/17 9:19	KAL
Aroclor-1268 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/15/17	9/22/17 9:19	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		101	30-150					9/22/17 9:19	
Decachlorobiphenyl [2]		114	30-150					9/22/17 9:19	
Tetrachloro-m-xylene [1]		106	30-150					9/22/17 9:19	
Tetrachloro-m-xylene [2]		99.9	30-150					9/22/17 9:19	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-15-1

Sampled: 9/8/2017 11:57

Sample ID: 1710320-07

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	82.2		% Wt	1		SM 2540G	9/14/17	9/15/17 8:05	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-15-2

Sampled: 9/8/2017 11:58

Sample ID: 1710320-08

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	0.10	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 21:50	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 21:50	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 21:50	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 21:50	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 21:50	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 21:50	KAL
Aroclor-1260 [1]	0.51	0.10	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 21:50	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 21:50	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 21:50	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		81.4	30-150					9/21/17 21:50	
Decachlorobiphenyl [2]		93.1	30-150					9/21/17 21:50	
Tetrachloro-m-xylene [1]		81.0	30-150					9/21/17 21:50	
Tetrachloro-m-xylene [2]		78.3	30-150					9/21/17 21:50	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-15-2

Sampled: 9/8/2017 11:58

Sample ID: 1710320-08

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	260	66	mg/Kg dry	5		CTDEP ETPH	9/15/17	9/20/17 2:54	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		54.5	50-150					9/20/17 2:54	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-15-2

Sampled: 9/8/2017 11:58

Sample ID: 1710320-08

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	75.4		% Wt	1		SM 2540G	9/14/17	9/15/17 8:05	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-15-3

Sampled: 9/8/2017 11:59

Sample ID: 1710320-09

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.22	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 14:59	BGL
Acenaphthylene	ND	0.22	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 14:59	BGL
Anthracene	ND	0.22	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 14:59	BGL
Benzo(a)anthracene	ND	0.22	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 14:59	BGL
Benzo(a)pyrene	ND	0.22	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 14:59	BGL
Benzo(b)fluoranthene	ND	0.22	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 14:59	BGL
Benzo(g,h,i)perylene	ND	0.22	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 14:59	BGL
Benzo(k)fluoranthene	ND	0.22	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 14:59	BGL
Chrysene	0.28	0.22	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 14:59	BGL
Dibenz(a,h)anthracene	ND	0.22	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 14:59	BGL
Fluoranthene	0.32	0.22	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 14:59	BGL
Fluorene	ND	0.22	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 14:59	BGL
Indeno(1,2,3-cd)pyrene	ND	0.22	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 14:59	BGL
2-Methylnaphthalene	ND	0.22	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 14:59	BGL
Naphthalene	ND	0.22	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 14:59	BGL
Phenanthrene	0.41	0.22	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 14:59	BGL
Pyrene	0.24	0.22	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 14:59	BGL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Nitrobenzene-d5		48.0	30-130					9/18/17 14:59	
2-Fluorobiphenyl		54.3	30-130					9/18/17 14:59	
p-Terphenyl-d14		57.2	30-130					9/18/17 14:59	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-15-3

Sampled: 9/8/2017 11:59

Sample ID: 1710320-09

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	0.099	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 22:07	KAL
Aroclor-1221 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 22:07	KAL
Aroclor-1232 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 22:07	KAL
Aroclor-1242 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 22:07	KAL
Aroclor-1248 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 22:07	KAL
Aroclor-1254 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 22:07	KAL
Aroclor-1260 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 22:07	KAL
Aroclor-1262 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 22:07	KAL
Aroclor-1268 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 22:07	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		93.0	30-150					9/21/17 22:07	
Decachlorobiphenyl [2]		106	30-150					9/21/17 22:07	
Tetrachloro-m-xylene [1]		103	30-150					9/21/17 22:07	
Tetrachloro-m-xylene [2]		99.7	30-150					9/21/17 22:07	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-15-3

Sampled: 9/8/2017 11:59

Sample ID: 1710320-09

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	77.8		% Wt	1		SM 2540G	9/14/17	9/15/17 8:05	MRL

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-15-4

Sampled: 9/8/2017 12:00

Sample ID: 1710320-10

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	0.087	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 23:11	KAL
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 23:11	KAL
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 23:11	KAL
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 23:11	KAL
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 23:11	KAL
Aroclor-1254 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 23:11	KAL
Aroclor-1260 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 23:11	KAL
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 23:11	KAL
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 23:11	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		91.0	30-150					9/21/17 23:11	
Decachlorobiphenyl [2]		104	30-150					9/21/17 23:11	
Tetrachloro-m-xylene [1]		92.4	30-150					9/21/17 23:11	
Tetrachloro-m-xylene [2]		90.1	30-150					9/21/17 23:11	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-15-4

Sampled: 9/8/2017 12:00

Sample ID: 1710320-10

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	85.6		% Wt	1		SM 2540G	9/14/17	9/15/17 8:05	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-9-1

Sampled: 9/8/2017 12:07

Sample ID: 1710320-11

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	0.089	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 16:26	KAL
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 16:26	KAL
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 16:26	KAL
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 16:26	KAL
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 16:26	KAL
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 16:26	KAL
Aroclor-1260 [2]	0.10	0.089	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 16:26	KAL
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 16:26	KAL
Aroclor-1268 [2]	0.20	0.089	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 16:26	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	108		30-150				9/22/17 16:26		
Decachlorobiphenyl [2]	127		30-150				9/22/17 16:26		
Tetrachloro-m-xylene [1]	102		30-150				9/22/17 16:26		
Tetrachloro-m-xylene [2]	104		30-150				9/22/17 16:26		

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-9-1

Sampled: 9/8/2017 12:07

Sample ID: 1710320-11

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	87.5		% Wt	1		SM 2540G	9/14/17	9/15/17 8:05	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-9-2

Sampled: 9/8/2017 12:08

Sample ID: 1710320-12

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	0.093	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 23:45	KAL
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 23:45	KAL
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 23:45	KAL
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 23:45	KAL
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 23:45	KAL
Aroclor-1254 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 23:45	KAL
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 23:45	KAL
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 23:45	KAL
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 23:45	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		91.6	30-150					9/21/17 23:45	
Decachlorobiphenyl [2]		107	30-150					9/21/17 23:45	
Tetrachloro-m-xylene [1]		99.5	30-150					9/21/17 23:45	
Tetrachloro-m-xylene [2]		96.1	30-150					9/21/17 23:45	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-9-2

Sampled: 9/8/2017 12:08

Sample ID: 1710320-12

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	170	58	mg/Kg dry	5		CTDEP ETPH	9/15/17	9/20/17 3:12	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		59.6	50-150					9/20/17 3:12	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-9-2

Sampled: 9/8/2017 12:08

Sample ID: 1710320-12

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	86.2		% Wt	1		SM 2540G	9/14/17	9/15/17 8:05	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-9-3

Sampled: 9/8/2017 12:09

Sample ID: 1710320-13

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	0.092	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 0:02	KAL
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 0:02	KAL
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 0:02	KAL
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 0:02	KAL
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 0:02	KAL
Aroclor-1254 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 0:02	KAL
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 0:02	KAL
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 0:02	KAL
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 0:02	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		95.1	30-150					9/22/17 0:02	
Decachlorobiphenyl [2]		109	30-150					9/22/17 0:02	
Tetrachloro-m-xylene [1]		106	30-150					9/22/17 0:02	
Tetrachloro-m-xylene [2]		100	30-150					9/22/17 0:02	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-9-3

Sampled: 9/8/2017 12:09

Sample ID: 1710320-13

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	85.5		% Wt	1		SM 2540G	9/14/17	9/15/17 8:05	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-9-4

Sampled: 9/8/2017 12:10

Sample ID: 1710320-14

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	0.086	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 0:20	KAL
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 0:20	KAL
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 0:20	KAL
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 0:20	KAL
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 0:20	KAL
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 0:20	KAL
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 0:20	KAL
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 0:20	KAL
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 0:20	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		81.6	30-150					9/22/17 0:20	
Decachlorobiphenyl [2]		112	30-150					9/22/17 0:20	
Tetrachloro-m-xylene [1]		90.2	30-150					9/22/17 0:20	
Tetrachloro-m-xylene [2]		85.6	30-150					9/22/17 0:20	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-9-4

Sampled: 9/8/2017 12:10

Sample ID: 1710320-14

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	86.6		% Wt	1		SM 2540G	9/14/17	9/15/17 8:05	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-14-1

Sampled: 9/8/2017 12:26

Sample ID: 1710320-15

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	0.17	mg/Kg dry	8		SW-846 8082A	9/15/17	9/22/17 9:32	KAL
Aroclor-1221 [1]	ND	0.17	mg/Kg dry	8		SW-846 8082A	9/15/17	9/22/17 9:32	KAL
Aroclor-1232 [1]	ND	0.17	mg/Kg dry	8		SW-846 8082A	9/15/17	9/22/17 9:32	KAL
Aroclor-1242 [1]	ND	0.17	mg/Kg dry	8		SW-846 8082A	9/15/17	9/22/17 9:32	KAL
Aroclor-1248 [2]	0.90	0.17	mg/Kg dry	8		SW-846 8082A	9/15/17	9/22/17 9:32	KAL
Aroclor-1254 [1]	ND	0.17	mg/Kg dry	8		SW-846 8082A	9/15/17	9/22/17 9:32	KAL
Aroclor-1260 [1]	0.98	0.17	mg/Kg dry	8		SW-846 8082A	9/15/17	9/22/17 9:32	KAL
Aroclor-1262 [1]	ND	0.17	mg/Kg dry	8		SW-846 8082A	9/15/17	9/22/17 9:32	KAL
Aroclor-1268 [1]	ND	0.17	mg/Kg dry	8		SW-846 8082A	9/15/17	9/22/17 9:32	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		74.8	30-150					9/22/17 9:32	
Decachlorobiphenyl [2]		86.3	30-150					9/22/17 9:32	
Tetrachloro-m-xylene [1]		92.2	30-150					9/22/17 9:32	
Tetrachloro-m-xylene [2]		90.0	30-150					9/22/17 9:32	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-14-1

Sampled: 9/8/2017 12:26

Sample ID: 1710320-15

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	92.4		% Wt	1		SM 2540G	9/14/17	9/15/17 8:05	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-14-2

Sampled: 9/8/2017 12:27

Sample ID: 1710320-16

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	0.16	mg/Kg dry	8		SW-846 8082A	9/15/17	9/22/17 9:44	KAL
Aroclor-1221 [1]	ND	0.16	mg/Kg dry	8		SW-846 8082A	9/15/17	9/22/17 9:44	KAL
Aroclor-1232 [1]	ND	0.16	mg/Kg dry	8		SW-846 8082A	9/15/17	9/22/17 9:44	KAL
Aroclor-1242 [1]	ND	0.16	mg/Kg dry	8		SW-846 8082A	9/15/17	9/22/17 9:44	KAL
Aroclor-1248 [1]	0.38	0.16	mg/Kg dry	8		SW-846 8082A	9/15/17	9/22/17 9:44	KAL
Aroclor-1254 [1]	ND	0.16	mg/Kg dry	8		SW-846 8082A	9/15/17	9/22/17 9:44	KAL
Aroclor-1260 [2]	1.4	0.16	mg/Kg dry	8		SW-846 8082A	9/15/17	9/22/17 9:44	KAL
Aroclor-1262 [1]	ND	0.16	mg/Kg dry	8		SW-846 8082A	9/15/17	9/22/17 9:44	KAL
Aroclor-1268 [1]	ND	0.16	mg/Kg dry	8		SW-846 8082A	9/15/17	9/22/17 9:44	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		91.3	30-150					9/22/17 9:44	
Decachlorobiphenyl [2]		103	30-150					9/22/17 9:44	
Tetrachloro-m-xylene [1]		91.0	30-150					9/22/17 9:44	
Tetrachloro-m-xylene [2]		87.6	30-150					9/22/17 9:44	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-14-2

Sampled: 9/8/2017 12:27

Sample ID: 1710320-16

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	89	11	mg/Kg dry	1		CTDEP ETPH	9/15/17	9/19/17 4:47	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		55.4	50-150					9/19/17 4:47	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-14-2

Sampled: 9/8/2017 12:27

Sample ID: 1710320-16

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	91.4		% Wt	1		SM 2540G	9/14/17	9/15/17 8:05	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-14-3

Sampled: 9/8/2017 12:28

Sample ID: 1710320-17

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	0.11	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:11	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:11	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:11	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:11	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:11	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:11	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:11	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:11	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:11	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		85.2	30-150					9/22/17 1:11	
Decachlorobiphenyl [2]		96.8	30-150					9/22/17 1:11	
Tetrachloro-m-xylene [1]		94.6	30-150					9/22/17 1:11	
Tetrachloro-m-xylene [2]		92.2	30-150					9/22/17 1:11	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-14-3

Sampled: 9/8/2017 12:28

Sample ID: 1710320-17

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	74.3		% Wt	1		SM 2540G	9/14/17	9/15/17 8:05	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-14-4

Sampled: 9/8/2017 12:29

Sample ID: 1710320-18

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	0.098	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:29	KAL
Aroclor-1221 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:29	KAL
Aroclor-1232 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:29	KAL
Aroclor-1242 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:29	KAL
Aroclor-1248 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:29	KAL
Aroclor-1254 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:29	KAL
Aroclor-1260 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:29	KAL
Aroclor-1262 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:29	KAL
Aroclor-1268 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:29	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		90.6	30-150					9/22/17 1:29	
Decachlorobiphenyl [2]		103	30-150					9/22/17 1:29	
Tetrachloro-m-xylene [1]		98.6	30-150					9/22/17 1:29	
Tetrachloro-m-xylene [2]		95.0	30-150					9/22/17 1:29	

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-14-4

Sampled: 9/8/2017 12:29

Sample ID: 1710320-18

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	81.1		% Wt	1		SM 2540G	9/14/17	9/15/17 8:05	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-12W-SO-109-1

Sampled: 9/8/2017 13:04

Sample ID: 1710320-19

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.29	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 15:24	BGL
Acenaphthylene	ND	0.29	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 15:24	BGL
Anthracene	ND	0.29	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 15:24	BGL
Benzo(a)anthracene	0.88	0.29	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 15:24	BGL
Benzo(a)pyrene	0.84	0.29	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 15:24	BGL
Benzo(b)fluoranthene	0.90	0.29	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 15:24	BGL
Benzo(g,h,i)perylene	0.47	0.29	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 15:24	BGL
Benzo(k)fluoranthene	0.36	0.29	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 15:24	BGL
Chrysene	0.77	0.29	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 15:24	BGL
Dibenz(a,h)anthracene	ND	0.29	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 15:24	BGL
Fluoranthene	1.7	0.29	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 15:24	BGL
Fluorene	ND	0.29	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 15:24	BGL
Indeno(1,2,3-cd)pyrene	0.54	0.29	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 15:24	BGL
2-Methylnaphthalene	ND	0.29	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 15:24	BGL
Naphthalene	ND	0.29	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 15:24	BGL
Phenanthrene	0.47	0.29	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 15:24	BGL
Pyrene	1.6	0.29	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 15:24	BGL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Nitrobenzene-d5		55.7	30-130					9/18/17 15:24	
2-Fluorobiphenyl		61.4	30-130					9/18/17 15:24	
p-Terphenyl-d14		66.5	30-130					9/18/17 15:24	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-12W-SO-109-1

Sampled: 9/8/2017 13:04

Sample ID: 1710320-19

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	0.14	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:46	KAL
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:46	KAL
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:46	KAL
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:46	KAL
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:46	KAL
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:46	KAL
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:46	KAL
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:46	KAL
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:46	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		88.2	30-150					9/22/17 1:46	
Decachlorobiphenyl [2]		104	30-150					9/22/17 1:46	
Tetrachloro-m-xylene [1]		106	30-150					9/22/17 1:46	
Tetrachloro-m-xylene [2]		95.8	30-150					9/22/17 1:46	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-12W-SO-109-1

Sampled: 9/8/2017 13:04

Sample ID: 1710320-19

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	240	85	mg/Kg dry	5		CTDEP ETPH	9/15/17	9/19/17 18:38	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl		50.1		50-150				9/19/17 18:38	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-12W-SO-109-1

Sampled: 9/8/2017 13:04

Sample ID: 1710320-19

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	58.6		% Wt	1		SM 2540G	9/14/17	9/15/17 8:05	MRL

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

Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-12W-SO-109-2

Sampled: 9/8/2017 13:05

Sample ID: 1710320-20

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	0.14	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 2:03	KAL
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 2:03	KAL
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 2:03	KAL
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 2:03	KAL
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 2:03	KAL
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 2:03	KAL
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 2:03	KAL
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 2:03	KAL
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 2:03	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.4	30-150					9/22/17 2:03	
Decachlorobiphenyl [2]		106	30-150					9/22/17 2:03	
Tetrachloro-m-xylene [1]		93.4	30-150					9/22/17 2:03	
Tetrachloro-m-xylene [2]		87.9	30-150					9/22/17 2:03	

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Project Location: 510 Grand Ave., New Haven, CT

Sample Description:

Work Order: 1710320

Date Received: 9/8/2017

Field Sample #: WS-AOC-12W-SO-109-2

Sampled: 9/8/2017 13:05

Sample ID: 1710320-20

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	55.0		% Wt	1		SM 2540G	9/14/17	9/15/17 8:05	MRL

Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0320-04 [WS-AOC-6-SO-10-2]	B186332	30.1	1.00	09/15/17
17I0320-08 [WS-AOC-6-SO-15-2]	B186332	30.2	1.00	09/15/17
17I0320-12 [WS-AOC-6-SO-9-2]	B186332	30.0	1.00	09/15/17
17I0320-16 [WS-AOC-6-SO-14-2]	B186332	30.1	1.00	09/15/17
17I0320-19 [WS-AOC-12W-SO-109-1]	B186332	30.0	1.00	09/15/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17I0320-01 [WS-AOC-6-SO-16-3]	B186207	09/14/17
17I0320-02 [WS-AOC-6-SO-16-4]	B186207	09/14/17
17I0320-03 [WS-AOC-6-SO-10-1]	B186207	09/14/17
17I0320-04 [WS-AOC-6-SO-10-2]	B186207	09/14/17
17I0320-05 [WS-AOC-6-SO-10-3]	B186207	09/14/17
17I0320-06 [WS-AOC-6-SO-10-4]	B186207	09/14/17
17I0320-07 [WS-AOC-6-SO-15-1]	B186207	09/14/17
17I0320-08 [WS-AOC-6-SO-15-2]	B186207	09/14/17
17I0320-09 [WS-AOC-6-SO-15-3]	B186207	09/14/17
17I0320-10 [WS-AOC-6-SO-15-4]	B186207	09/14/17
17I0320-11 [WS-AOC-6-SO-9-1]	B186207	09/14/17
17I0320-12 [WS-AOC-6-SO-9-2]	B186207	09/14/17
17I0320-13 [WS-AOC-6-SO-9-3]	B186207	09/14/17
17I0320-14 [WS-AOC-6-SO-9-4]	B186207	09/14/17
17I0320-15 [WS-AOC-6-SO-14-1]	B186207	09/14/17
17I0320-16 [WS-AOC-6-SO-14-2]	B186207	09/14/17
17I0320-17 [WS-AOC-6-SO-14-3]	B186207	09/14/17
17I0320-18 [WS-AOC-6-SO-14-4]	B186207	09/14/17
17I0320-19 [WS-AOC-12W-SO-109-1]	B186207	09/14/17
17I0320-20 [WS-AOC-12W-SO-109-2]	B186207	09/14/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0320-01 [WS-AOC-6-SO-16-3]	B186354	10.6	10.0	09/15/17
17I0320-02 [WS-AOC-6-SO-16-4]	B186354	10.0	10.0	09/15/17
17I0320-03 [WS-AOC-6-SO-10-1]	B186354	10.1	10.0	09/15/17
17I0320-04 [WS-AOC-6-SO-10-2]	B186354	10.4	10.0	09/15/17
17I0320-05 [WS-AOC-6-SO-10-3]	B186354	10.3	10.0	09/15/17
17I0320-06 [WS-AOC-6-SO-10-4]	B186354	10.3	10.0	09/15/17
17I0320-07 [WS-AOC-6-SO-15-1]	B186354	10.6	10.0	09/15/17
17I0320-08 [WS-AOC-6-SO-15-2]	B186354	10.3	10.0	09/15/17
17I0320-09 [WS-AOC-6-SO-15-3]	B186354	10.4	10.0	09/15/17
17I0320-10 [WS-AOC-6-SO-15-4]	B186354	10.7	10.0	09/15/17
17I0320-11 [WS-AOC-6-SO-9-1]	B186354	10.3	10.0	09/15/17
17I0320-12 [WS-AOC-6-SO-9-2]	B186354	10.0	10.0	09/15/17
17I0320-13 [WS-AOC-6-SO-9-3]	B186354	10.2	10.0	09/15/17
17I0320-14 [WS-AOC-6-SO-9-4]	B186354	10.7	10.0	09/15/17
17I0320-15 [WS-AOC-6-SO-14-1]	B186354	10.3	10.0	09/15/17
17I0320-16 [WS-AOC-6-SO-14-2]	B186354	10.7	10.0	09/15/17
17I0320-17 [WS-AOC-6-SO-14-3]	B186354	10.2	10.0	09/15/17
17I0320-18 [WS-AOC-6-SO-14-4]	B186354	10.1	10.0	09/15/17
17I0320-19 [WS-AOC-12W-SO-109-1]	B186354	10.0	10.0	09/15/17
17I0320-20 [WS-AOC-12W-SO-109-2]	B186354	10.5	10.0	09/15/17

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

Sample Extraction Data

Prep Method: SW-846 3546-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
1710320-09 [WS-AOC-6-SO-15-3]	B186330	30.0	1.00	09/15/17
1710320-19 [WS-AOC-12W-SO-109-1]	B186330	30.0	1.00	09/15/17

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QUALITY CONTROL

Semivolatile 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 B186330 - SW-846 3546

Blank (B186330-BLK1)

Prepared: 09/15/17 Analyzed: 09/18/17

Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
Surrogate: Nitrobenzene-d5	2.27		mg/Kg wet	3.33		66.2	30-130			
Surrogate: 2-Fluorobiphenyl	2.58		mg/Kg wet	3.33		77.3	30-130			
Surrogate: p-Terphenyl-d14	3.26		mg/Kg wet	3.33		97.9	30-130			

LCS (B186330-BS1)

Prepared: 09/15/17 Analyzed: 09/18/17

Acenaphthene	0.884	0.17	mg/Kg wet	1.67		53.1	40-140			
Acenaphthylene	0.912	0.17	mg/Kg wet	1.67		54.7	40-140			
Anthracene	0.978	0.17	mg/Kg wet	1.67		58.7	40-140			
Benzo(a)anthracene	1.03	0.17	mg/Kg wet	1.67		61.7	40-140			
Benzo(a)pyrene	0.993	0.17	mg/Kg wet	1.67		59.6	40-140			
Benzo(b)fluoranthene	0.961	0.17	mg/Kg wet	1.67		57.7	40-140			
Benzo(g,h,i)perylene	1.03	0.17	mg/Kg wet	1.67		62.1	40-140			
Benzo(k)fluoranthene	0.961	0.17	mg/Kg wet	1.67		57.7	40-140			
Chrysene	0.963	0.17	mg/Kg wet	1.67		57.8	40-140			
Dibenz(a,h)anthracene	1.07	0.17	mg/Kg wet	1.67		64.1	40-140			
Fluoranthene	1.02	0.17	mg/Kg wet	1.67		61.5	40-140			
Fluorene	0.994	0.17	mg/Kg wet	1.67		59.7	40-140			
Indeno(1,2,3-cd)pyrene	1.04	0.17	mg/Kg wet	1.67		62.3	40-140			
2-Methylnaphthalene	1.08	0.17	mg/Kg wet	1.67		65.1	40-140			
Naphthalene	1.03	0.17	mg/Kg wet	1.67		61.6	40-140			
Phenanthrene	0.990	0.17	mg/Kg wet	1.67		59.4	40-140			
Pyrene	1.02	0.17	mg/Kg wet	1.67		61.2	40-140			
Surrogate: Nitrobenzene-d5	2.22		mg/Kg wet	3.33		66.7	30-130			
Surrogate: 2-Fluorobiphenyl	2.43		mg/Kg wet	3.33		73.0	30-130			
Surrogate: p-Terphenyl-d14	2.58		mg/Kg wet	3.33		77.3	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186330 - SW-846 3546										
LCS Dup (B186330-BSD1)										
					Prepared: 09/15/17 Analyzed: 09/18/17					
Acenaphthene	0.965	0.17	mg/Kg wet	1.67		57.9	40-140	8.72	30	
Acenaphthylene	0.990	0.17	mg/Kg wet	1.67		59.4	40-140	8.17	30	
Anthracene	1.05	0.17	mg/Kg wet	1.67		62.9	40-140	6.98	30	
Benzo(a)anthracene	1.14	0.17	mg/Kg wet	1.67		68.3	40-140	10.1	30	
Benzo(a)pyrene	1.09	0.17	mg/Kg wet	1.67		65.5	40-140	9.44	30	
Benzo(b)fluoranthene	1.01	0.17	mg/Kg wet	1.67		60.8	40-140	5.30	30	
Benzo(g,h,i)perylene	1.12	0.17	mg/Kg wet	1.67		66.9	40-140	7.53	30	
Benzo(k)fluoranthene	1.02	0.17	mg/Kg wet	1.67		61.4	40-140	6.28	30	
Chrysene	1.06	0.17	mg/Kg wet	1.67		63.5	40-140	9.46	30	
Dibenz(a,h)anthracene	1.15	0.17	mg/Kg wet	1.67		69.1	40-140	7.48	30	
Fluoranthene	1.10	0.17	mg/Kg wet	1.67		65.7	40-140	6.70	30	
Fluorene	1.06	0.17	mg/Kg wet	1.67		63.8	40-140	6.74	30	
Indeno(1,2,3-cd)pyrene	1.16	0.17	mg/Kg wet	1.67		69.4	40-140	10.7	30	
2-Methylnaphthalene	1.13	0.17	mg/Kg wet	1.67		67.5	40-140	3.68	30	
Naphthalene	1.02	0.17	mg/Kg wet	1.67		61.0	40-140	1.04	30	
Phenanthrene	1.05	0.17	mg/Kg wet	1.67		62.8	40-140	5.63	30	
Pyrene	1.10	0.17	mg/Kg wet	1.67		66.2	40-140	7.85	30	
Surrogate: Nitrobenzene-d5	2.27		mg/Kg wet	3.33		66.3	30-130			
Surrogate: 2-Fluorobiphenyl	2.53		mg/Kg wet	3.33		75.8	30-130			
Surrogate: p-Terphenyl-d14	3.76		mg/Kg wet	3.33		113	30-130			

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
Batch B186354 - SW-846 3540C										
Blank (B186354-BLK1)										
Prepared: 09/15/17 Analyzed: 09/21/17										
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		85.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.199		mg/Kg wet	0.200		99.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.185		mg/Kg wet	0.200		92.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.184		mg/Kg wet	0.200		92.0	30-150			
LCS (B186354-BS1)										
Prepared: 09/15/17 Analyzed: 09/21/17										
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		84.5	40-140			
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		89.6	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		81.4	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		81.4	40-140			
Surrogate: Decachlorobiphenyl	0.191		mg/Kg wet	0.200		95.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.223		mg/Kg wet	0.200		111	30-150			
Surrogate: Tetrachloro-m-xylene	0.194		mg/Kg wet	0.200		97.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.192		mg/Kg wet	0.200		96.2	30-150			
LCS Dup (B186354-BSD1)										
Prepared: 09/15/17 Analyzed: 09/21/17										
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		78.7	40-140	7.08	30	
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		83.2	40-140	7.30	30	
Aroclor-1260	0.14	0.020	mg/Kg wet	0.200		72.0	40-140	12.2	30	
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		73.0	40-140	10.9	30	
Surrogate: Decachlorobiphenyl	0.169		mg/Kg wet	0.200		84.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.197		mg/Kg wet	0.200		98.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.178		mg/Kg wet	0.200		88.8	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
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Batch B186354 - SW-846 3540C

Matrix Spike (B186354-MS1)

Source: 17I0320-03

Prepared: 09/15/17 Analyzed: 09/22/17

Aroclor-1016	0.32	0.12	mg/Kg dry	0.294	ND	108	40-140			
Aroclor-1016 [2C]	0.32	0.12	mg/Kg dry	0.294	ND	108	40-140			
Aroclor-1260	0.76	0.12	mg/Kg dry	0.294	0.34	143 *	40-140			L-07
Aroclor-1260 [2C]	0.74	0.12	mg/Kg dry	0.294	0.33	140	40-140			
Surrogate: Decachlorobiphenyl	0.265		mg/Kg dry	0.294		90.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.306		mg/Kg dry	0.294		104	30-150			
Surrogate: Tetrachloro-m-xylene	0.282		mg/Kg dry	0.294		96.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.272		mg/Kg dry	0.294		92.5	30-150			

Matrix Spike Dup (B186354-MSD1)

Source: 17I0320-03

Prepared: 09/15/17 Analyzed: 09/22/17

Aroclor-1016	0.34	0.12	mg/Kg dry	0.299	ND	113	40-140	6.37	50	
Aroclor-1016 [2C]	0.34	0.12	mg/Kg dry	0.299	ND	114	40-140	6.62	50	
Aroclor-1260	0.63	0.12	mg/Kg dry	0.299	0.34	97.0	40-140	18.7	50	
Aroclor-1260 [2C]	0.61	0.12	mg/Kg dry	0.299	0.33	95.4	40-140	18.7	50	
Surrogate: Decachlorobiphenyl	0.255		mg/Kg dry	0.299		85.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.298		mg/Kg dry	0.299		99.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.296		mg/Kg dry	0.299		99.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.286		mg/Kg dry	0.299		95.8	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186332 - SW-846 3546										
Blank (B186332-BLK1)										
					Prepared: 09/15/17 Analyzed: 09/19/17					
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	3.07		mg/Kg wet	3.33		92.1	50-150			
LCS (B186332-BS1)										
					Prepared: 09/15/17 Analyzed: 09/19/17					
CT ETPH	28.2	10	mg/Kg wet	33.3		84.7	60-120			
Surrogate: o-Terphenyl	3.55		mg/Kg wet	3.33		106	50-150			
LCS Dup (B186332-BSD1)										
					Prepared: 09/15/17 Analyzed: 09/19/17					
CT ETPH	27.2	10	mg/Kg wet	33.3		81.5	60-120	3.82	30	
Surrogate: o-Terphenyl	3.40		mg/Kg wet	3.33		102	50-150			

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

WS-AOC-6-SO-10-1

SW-846 8082A

Lab Sample ID: 1710320-03 Date(s) Analyzed: 09/21/2017 09/21/2017

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	0.34	
	2	0.000	-0.030	0.030	0.33	3.0

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

WS-AOC-6-SO-15-1

Lab Sample ID: 1710320-07 Date(s) Analyzed: 09/22/2017 09/22/2017

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	2.9	
	2	0.000	-0.030	0.030	2.9	0.0

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

WS-AOC-6-SO-15-2

Lab Sample ID: 1710320-08 Date(s) Analyzed: 09/21/2017 09/21/2017

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	0.51	
	2	0.000	-0.030	0.030	0.50	2.0

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

WS-AOC-6-SO-9-1

Lab Sample ID: 1710320-11 Date(s) Analyzed: 09/22/2017 09/22/2017

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	0.094	
	2	0.000	-0.030	0.030	0.10	5.1
Aroclor-1268	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

WS-AOC-6-SO-14-1

Lab Sample ID: 1710320-15 Date(s) Analyzed: 09/22/2017 09/22/2017

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-1248	1	0.000	-0.030	0.030	0.71	
	2	0.000	-0.030	0.030	0.90	22.2
Aroclor-1260	1	0.000	-0.030	0.030	0.98	
	2	0.000	-0.030	0.030	0.98	0.0

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

WS-AOC-6-SO-14-2

Lab Sample ID: 1710320-16 Date(s) Analyzed: 09/22/2017 09/22/2017

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-1248	1	0.000	-0.030	0.030	0.38	
	2	0.000	-0.030	0.030	0.38	0.0
Aroclor-1260	1	0.000	-0.030	0.030	1.4	
	2	0.000	-0.030	0.030	1.4	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
DL	Method Detection Limit
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-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
SW-846 8082A in Soil	
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
SW-846 8270D in Soil	
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA
Benzo(k)fluoranthene	CT,NY,NH,ME,NC,VA
Chrysene	CT,NY,NH,ME,NC,VA
Dibenz(a,h)anthracene	CT,NY,NH,ME,NC,VA
Fluoranthene	CT,NY,NH,ME,NC,VA
Fluorene	CT,NY,NH,ME,NC,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NH,ME,NC,VA
2-Methylnaphthalene	CT,NY,NH,ME,NC,VA
Naphthalene	CT,NY,NH,ME,NC,VA
Phenanthrene	CT,NY,NH,ME,NC,VA
Pyrene	CT,NY,NH,ME,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	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
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	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

1710320

Phone: 413-525-2332
Fax: 413-525-6405



Company Name: Weston & Sampson Engineers
Address: 273 Dividend Rd Rocky Hill, CT
Phone: 860 513-1473
Project Name: English Station
Project Location: 510 Grand Ave, New Haven, CT
Project Number: 2170495
Project Manager: Malcolm Beeler
Con-Test Bid:
Invoice Recipient: Malcolm Beeler (Weston & Sampson)
Sampled By: Chris Berthiaume/Will Sirotnak

Requested Turnaround Time
7-Day 10-Day
Other: _____ 5-day
Rush-Approval Required
1-Day 3-Day
2-Day 4-Day
Data Delivery
Format: PDF EXCEL
Other: _____
Enhanced Data Package Required:
Email To: beeferm@wseinc.com
Fax To #: _____

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1	WS-AD-6-20-16-3	9/3/17	1137		X	S	U
2	WS-AD-6-20-16-4		1139				
3	WS-AD-6-20-10-1		1153				
4	WS-AD-6-20-10-2		1154				
5	WS-AD-6-20-10-3		1155				
6	WS-AD-6-20-10-4		1156				
7	WS-AD-6-20-15-1		1157				
8	WS-AD-6-20-15-2		1159				
9	WS-AD-6-20-15-3		1159				
10	WS-AD-6-20-15-4		1200				

ANALYSIS REQUESTED

- 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/Solid
 - SL = Sludge
 - 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)

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

Please hold excess volumes for possible SPLP analyses.

Relinquished by: (signature) _____ **Date/Time:** 9/8/17 1520

Received by: (signature) _____ **Date/Time:** 9/8/17 1520

Relinquished by: (signature) _____ **Date/Time:** 9/8/17 1540

Received by: (signature) _____ **Date/Time:** 9/8/17 15:45

Relinquished by: (signature) _____ **Date/Time:** 9/8/17 17:08

Received by: (signature) _____ **Date/Time:** 9/8/17 17:08

Detection Limit Requirements
MA
CT
Other: _____

Program Information
 MCP Analytical Certification Form Required
 RCP Analysis Certification Form Required
 MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
11	WS-POL-6-20-9-1	9/18/17	1207		X	S	C
12	WS-POL-6-20-9-2		1203				
13	WS-POL-6-20-9-3		1209				
14	WS-POL-6-20-9-4		1210				
15	WS-POL-6-20-14-1		1220				
16	WS-POL-6-20-14-2		1227				
17	WS-POL-6-20-14-3		1223				
18	WS-POL-6-20-14-4		1229				
19	WS-POL-12W-20-109-1		1307				
20	WS-POL-12W-20-109-2		1305				

Requested Turnaround Time	Analysis Requested	Matrix Code	Conc Code
7-Day <input checked="" type="checkbox"/> 10-Day <input type="checkbox"/> Other: <input type="checkbox"/> 5-day <input type="checkbox"/>	ANALYSIS REQUESTED		
1-Day <input type="checkbox"/> 3-Day <input type="checkbox"/> 2-Day <input type="checkbox"/> 4-Day <input type="checkbox"/>			
Format: PDF <input checked="" type="checkbox"/> EXCEL <input checked="" type="checkbox"/> Other: <input type="checkbox"/>			
Enhanced Data Package Required: <input type="checkbox"/>			
Email To: beeferm@wseinc.com			
Fax To #:			

Company Name:	Address:	Phone:	Project Name:	Project Location:	Project Number:	Project Manager:	Con-Test Bid:	Invoice Recipient:	Sampled By:
Weston & Sampson Engineers	273 Dividend Rd Rcooky Hill, CT	860 513-1473	English Station	510 Grand Ave, New Haven, CT	2170495	Malcolm Beeler	Malcolm Beeler	Malcolm Beeler (Weston & Sampson)	Chris Berthiaume/Will Sirotnak

1 Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
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)

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

Please hold excess volumes for possible SPLP analyses.

Relinquished by: (signature) Date/Time: 9/8/17 15:22

Received by: (signature) Date/Time: 9/8/17 15:20

Relinquished by: (signature) Date/Time: 9/8/17 15:40

Received by: (signature) Date/Time: 9/8/17 15:46

Relinquished by: (signature) Date/Time: 9/8/17 17:07

Received by: (signature) Date/Time: 9/8/17 17:08

MA
CT
Other

Detection Limit Requirements

Program Information
 MCP Analytical Certification Form Required
 RCP Analysis Certification Form Required
 MA State DW Form Required
 PWSID # _____

NEELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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 East Longmeadow, MA. 01028
 P: 413-525-2332
 F: 413-525-6405
 www.contestlabs.com



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 JM Date 9/8/17 Time 1708
 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 # 1 Actual Temp - 3.3, 5.6
 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? N/A Who was notified? _____
 Are there Rushes? N/A Who was notified? _____
 Are there Short Holds? N/A Who was notified? _____
 Is there enough Volume? T
 Is there Headspace where applicable? N/A MS/MSD? N/A
 Proper Media/Containers Used? T Is splitting samples required? N/A
 Were trip blanks received? N/A On COC? N/A
 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:

D:\HPCHEM\1\DATA\A091817.SEC\A0918033.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/18/17
 Data File Name A0918033.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	557715	584740	-5
c - 10	1.63	565511	584740	-3
c - 12	2.35	582479	584740	0
c - 14	3.01	593059	584740	1
c - 16	3.61	604433	584740	3
c - 18	4.23	595278	584740	2
o-Terphenyl	4.51	665550	584740	
c - 20	4.83	600772	584740	3
c - 22	5.33	607979	584740	4
c - 24	5.77	565808	584740	-3
c - 26	6.16	594595	584740	2
c - 28	6.52	587656	584740	0
c - 30	6.85	584471	584740	0
c - 32	7.16	572079	584740	-2
c - 34	7.45	578723	584740	-1
c - 36	7.77	580543	584740	-1

* One compound allowed %D <= 50%

Samples

17I0243-10@100X
 17I0325-09@25X
 17I0243-13@50X
 17I0243-01@100X
 17I0243-04@100X
 17I0241-01
 17I0241-19
 17I0242-12
 17I0244-20
 17I0241-10