



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: 17G0681

Laboratory Sample ID(s):

Sample Date(s):

17G0681-01 thru 17G0681-20

07/18/2017

List RCP Methods Used:

CTDEP ETPH, SW-846 6010C-D, 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: 07/28/17

Name of Laboratory: Con-Test Analytical Laboratory

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

August 3, 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: 17G0683

Enclosed are results of analyses for samples received by the laboratory on July 18, 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: 8/3/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G0683

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-AOC12W-SO-11-2	17G0683-01	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-11-3	17G0683-02	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-12-1	17G0683-03	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-12-2	17G0683-04	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-12-3	17G0683-05	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-DUP-5	17G0683-06	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-7-1 (MS-MSD)	17G0683-07	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-7-2	17G0683-08	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-7-3	17G0683-09	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-35-1	17G0683-10	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-35-2A	17G0683-11	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-35-2B	17G0683-12	Soil		CTDEP ETPH SM 2540G SW-846 6010C-D SW-846 8270D	
WS-AOC12W-SO-35-3	17G0683-13	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-35-4	17G0683-14	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-42-1	17G0683-15	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-42-2A	17G0683-16	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-42-2B	17G0683-17	Soil		CTDEP ETPH SM 2540G SW-846 6010C-D SW-846 8270D	
WS-AOC12W-SO-42-3	17G0683-18	Soil		SM 2540G SW-846 8082A	

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REPORT DATE: 8/3/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G0683

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-AOC12W-SO-42-4	17G0683-19	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-41-1	17G0683-20	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.

For method 6010, only As was requested and reported.

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**

17G0683-17[WS-AOC12W-SO-42-2B]

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

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

17G0683-17[WS-AOC12W-SO-42-2B]

SW-846 6010C/D SW-846 6020A/B

For NC, Metals methods SW-846 6010D and SW-846 6020B are followed, and for all other states methods SW-846 6010C and SW-846 6020A are followed.

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

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



Lisa A. Worthington
Project Manager

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

Project Location: 510 Grand Ave, New Haven, CT

Sample Description:

Work Order: 17G0683

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-11-2

Sampled: 7/18/2017 11:17

Sample ID: 17G0683-01

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	5		SW-846 8082A	7/21/17	7/26/17 18:26	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 18:26	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 18:26	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 18:26	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 18:26	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 18:26	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 18:26	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 18:26	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 18:26	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		62.2	30-150					7/26/17 18:26	
Decachlorobiphenyl [2]		68.3	30-150					7/26/17 18:26	
Tetrachloro-m-xylene [1]		71.9	30-150					7/26/17 18:26	
Tetrachloro-m-xylene [2]		66.0	30-150					7/26/17 18:26	

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Project Location: 510 Grand Ave, New Haven, CT

Sample Description:

Work Order: 17G0683

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-11-2

Sampled: 7/18/2017 11:17

Sample ID: 17G0683-01

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.5		% Wt	1		SM 2540G	7/24/17	7/25/17 8:31	MRL

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Project Location: 510 Grand Ave, New Haven, CT

Sample Description:

Work Order: 17G0683

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-11-3

Sampled: 7/18/2017 11:18

Sample ID: 17G0683-02

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	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 18:38	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 18:38	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 18:38	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 18:38	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 18:38	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 18:38	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 18:38	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 18:38	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 18:38	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		62.8	30-150					7/26/17 18:38	
Decachlorobiphenyl [2]		66.5	30-150					7/26/17 18:38	
Tetrachloro-m-xylene [1]		77.7	30-150					7/26/17 18:38	
Tetrachloro-m-xylene [2]		69.4	30-150					7/26/17 18:38	

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Project Location: 510 Grand Ave, New Haven, CT

Sample Description:

Work Order: 17G0683

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-11-3

Sampled: 7/18/2017 11:18

Sample ID: 17G0683-02

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	81.9		% Wt	1		SM 2540G	7/24/17	7/25/17 8:31	MRL

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Project Location: 510 Grand Ave, New Haven, CT

Sample Description:

Work Order: 17G0683

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-12-1

Sampled: 7/18/2017 11:14

Sample ID: 17G0683-03

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	5		SW-846 8082A	7/21/17	7/26/17 18:51	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 18:51	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 18:51	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 18:51	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 18:51	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 18:51	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 18:51	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 18:51	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 18:51	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		66.8	30-150					7/26/17 18:51	
Decachlorobiphenyl [2]		71.5	30-150					7/26/17 18:51	
Tetrachloro-m-xylene [1]		76.3	30-150					7/26/17 18:51	
Tetrachloro-m-xylene [2]		71.3	30-150					7/26/17 18:51	

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Project Location: 510 Grand Ave, New Haven, CT

Sample Description:

Work Order: 17G0683

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-12-1

Sampled: 7/18/2017 11:14

Sample ID: 17G0683-03

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.3		% Wt	1		SM 2540G	7/24/17	7/25/17 8:31	MRL

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Project Location: 510 Grand Ave, New Haven, CT

Sample Description:

Work Order: 17G0683

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-12-2

Sampled: 7/18/2017 11:16

Sample ID: 17G0683-04

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	5		SW-846 8082A	7/21/17	7/26/17 19:04	JMB
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:04	JMB
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:04	JMB
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:04	JMB
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:04	JMB
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:04	JMB
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:04	JMB
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:04	JMB
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:04	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		68.1	30-150					7/26/17 19:04	
Decachlorobiphenyl [2]		73.5	30-150					7/26/17 19:04	
Tetrachloro-m-xylene [1]		84.7	30-150					7/26/17 19:04	
Tetrachloro-m-xylene [2]		77.5	30-150					7/26/17 19:04	

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Project Location: 510 Grand Ave, New Haven, CT

Sample Description:

Work Order: 17G0683

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-12-2

Sampled: 7/18/2017 11:16

Sample ID: 17G0683-04

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	79.5		% Wt	1		SM 2540G	7/24/17	7/25/17 8:31	MRL

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Project Location: 510 Grand Ave, New Haven, CT

Sample Description:

Work Order: 17G0683

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-12-3

Sampled: 7/18/2017 11:18

Sample ID: 17G0683-05

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	0.14	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:16	JMB
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:16	JMB
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:16	JMB
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:16	JMB
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:16	JMB
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:16	JMB
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:16	JMB
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:16	JMB
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:16	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		75.7	30-150					7/26/17 19:16	
Decachlorobiphenyl [2]		80.8	30-150					7/26/17 19:16	
Tetrachloro-m-xylene [1]		93.9	30-150					7/26/17 19:16	
Tetrachloro-m-xylene [2]		85.4	30-150					7/26/17 19:16	

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Project Location: 510 Grand Ave, New Haven, CT

Sample Description:

Work Order: 17G0683

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-12-3

Sampled: 7/18/2017 11:18

Sample ID: 17G0683-05

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	70.7		% Wt	1		SM 2540G	7/24/17	7/25/17 8:31	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: 17G0683

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-DUP-5

Sampled: 7/18/2017 00:00

Sample ID: 17G0683-06

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	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:29	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:29	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:29	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:29	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:29	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:29	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:29	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:29	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:29	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		74.6	30-150					7/26/17 19:29	
Decachlorobiphenyl [2]		80.2	30-150					7/26/17 19:29	
Tetrachloro-m-xylene [1]		88.6	30-150					7/26/17 19:29	
Tetrachloro-m-xylene [2]		81.3	30-150					7/26/17 19:29	

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: 17G0683

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-DUP-5

Sampled: 7/18/2017 00:00

Sample ID: 17G0683-06

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	82.6		% Wt	1		SM 2540G	7/24/17	7/25/17 8:31	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: 17G0683

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-7-1 (MS-MSD)

Sampled: 7/18/2017 11:37

Sample ID: 17G0683-07

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	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 22:44	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 22:44	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 22:44	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 22:44	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 22:44	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 22:44	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 22:44	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 22:44	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 22:44	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		69.8	30-150					7/26/17 22:44	
Decachlorobiphenyl [2]		74.0	30-150					7/26/17 22:44	
Tetrachloro-m-xylene [1]		71.9	30-150					7/26/17 22:44	
Tetrachloro-m-xylene [2]		73.8	30-150					7/26/17 22:44	

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: 17G0683

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-7-1 (MS-MSD)

Sampled: 7/18/2017 11:37

Sample ID: 17G0683-07

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.4		% Wt	1		SM 2540G	7/24/17	7/25/17 8:31	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: 17G0683

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-7-2

Sampled: 7/18/2017 11:38

Sample ID: 17G0683-08

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	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:42	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:42	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:42	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:42	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:42	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:42	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:42	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:42	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:42	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		63.8	30-150					7/26/17 19:42	
Decachlorobiphenyl [2]		65.1	30-150					7/26/17 19:42	
Tetrachloro-m-xylene [1]		77.4	30-150					7/26/17 19:42	
Tetrachloro-m-xylene [2]		70.0	30-150					7/26/17 19:42	

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: 17G0683

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-7-2

Sampled: 7/18/2017 11:38

Sample ID: 17G0683-08

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.0		% Wt	1		SM 2540G	7/24/17	7/25/17 8:31	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: 17G0683

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-7-3

Sampled: 7/18/2017 11:39

Sample ID: 17G0683-09

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	0.16	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:55	JMB
Aroclor-1221 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:55	JMB
Aroclor-1232 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:55	JMB
Aroclor-1242 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:55	JMB
Aroclor-1248 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:55	JMB
Aroclor-1254 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:55	JMB
Aroclor-1260 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:55	JMB
Aroclor-1262 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:55	JMB
Aroclor-1268 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 19:55	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		71.1	30-150					7/26/17 19:55	
Decachlorobiphenyl [2]		75.0	30-150					7/26/17 19:55	
Tetrachloro-m-xylene [1]		85.3	30-150					7/26/17 19:55	
Tetrachloro-m-xylene [2]		77.4	30-150					7/26/17 19:55	

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Project Location: 510 Grand Ave, New Haven, CT

Sample Description:

Work Order: 17G0683

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-7-3

Sampled: 7/18/2017 11:39

Sample ID: 17G0683-09

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	61.5		% Wt	1		SM 2540G	7/24/17	7/25/17 8:31	MRL

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Project Location: 510 Grand Ave, New Haven, CT

Sample Description:

Work Order: 17G0683

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-35-1

Sampled: 7/18/2017 13:02

Sample ID: 17G0683-10

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	0.10	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 20:07	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 20:07	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 20:07	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 20:07	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 20:07	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 20:07	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 20:07	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 20:07	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 20:07	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		70.3	30-150					7/26/17 20:07	
Decachlorobiphenyl [2]		74.6	30-150					7/26/17 20:07	
Tetrachloro-m-xylene [1]		82.3	30-150					7/26/17 20:07	
Tetrachloro-m-xylene [2]		75.8	30-150					7/26/17 20:07	

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Project Location: 510 Grand Ave, New Haven, CT

Sample Description:

Work Order: 17G0683

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-35-1

Sampled: 7/18/2017 13:02

Sample ID: 17G0683-10

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	95.4		% Wt	1		SM 2540G	7/24/17	7/25/17 8:31	MRL

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Project Location: 510 Grand Ave, New Haven, CT

Sample Description:

Work Order: 17G0683

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-35-2A

Sampled: 7/18/2017 13:04

Sample ID: 17G0683-11

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	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:00	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:00	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:00	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:00	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:00	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:00	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:00	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:00	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:00	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		69.4	30-150					7/26/17 21:00	
Decachlorobiphenyl [2]		74.6	30-150					7/26/17 21:00	
Tetrachloro-m-xylene [1]		83.5	30-150					7/26/17 21:00	
Tetrachloro-m-xylene [2]		76.6	30-150					7/26/17 21:00	

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Project Location: 510 Grand Ave, New Haven, CT

Sample Description:

Work Order: 17G0683

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-35-2A

Sampled: 7/18/2017 13:04

Sample ID: 17G0683-11

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	91.4		% Wt	1		SM 2540G	7/24/17	7/25/17 8:31	MRL

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Project Location: 510 Grand Ave, New Haven, CT

Sample Description:

Work Order: 17G0683

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-35-2B

Sampled: 7/18/2017 13:06

Sample ID: 17G0683-12

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	0.19	mg/Kg dry	1		SW-846 8270D	7/24/17	7/25/17 15:57	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/24/17	7/25/17 15:57	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/24/17	7/25/17 15:57	BGL
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/24/17	7/25/17 15:57	BGL
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/24/17	7/25/17 15:57	BGL
Benzo(b)fluoranthene	0.33	0.19	mg/Kg dry	1		SW-846 8270D	7/24/17	7/25/17 15:57	BGL
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/24/17	7/25/17 15:57	BGL
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/24/17	7/25/17 15:57	BGL
Chrysene	0.57	0.19	mg/Kg dry	1		SW-846 8270D	7/24/17	7/25/17 15:57	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/24/17	7/25/17 15:57	BGL
Fluoranthene	0.47	0.19	mg/Kg dry	1		SW-846 8270D	7/24/17	7/25/17 15:57	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/24/17	7/25/17 15:57	BGL
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/24/17	7/25/17 15:57	BGL
2-Methylnaphthalene	1.5	0.19	mg/Kg dry	1		SW-846 8270D	7/24/17	7/25/17 15:57	BGL
Naphthalene	0.69	0.19	mg/Kg dry	1		SW-846 8270D	7/24/17	7/25/17 15:57	BGL
Phenanthrene	1.6	0.19	mg/Kg dry	1		SW-846 8270D	7/24/17	7/25/17 15:57	BGL
Pyrene	0.37	0.19	mg/Kg dry	1		SW-846 8270D	7/24/17	7/25/17 15:57	BGL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Nitrobenzene-d5		71.9	30-130					7/25/17 15:57	
2-Fluorobiphenyl		69.8	30-130					7/25/17 15:57	
p-Terphenyl-d14		76.8	30-130					7/25/17 15:57	

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Project Location: 510 Grand Ave, New Haven, CT

Sample Description:

Work Order: 17G0683

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-35-2B

Sampled: 7/18/2017 13:06

Sample ID: 17G0683-12

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	720	220	mg/Kg dry	20		CTDEP ETPH	7/24/17	8/2/17 17:53	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	12.3	*	50-150					8/2/17 17:53	

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Project Location: 510 Grand Ave, New Haven, CT

Sample Description:

Work Order: 17G0683

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-35-2B

Sampled: 7/18/2017 13:06

Sample ID: 17G0683-12

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	12	2.8	mg/Kg dry	1		SW-846 6010C-D	7/20/17	7/24/17 5:37	QNW

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Project Location: 510 Grand Ave, New Haven, CT

Sample Description:

Work Order: 17G0683

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-35-2B

Sampled: 7/18/2017 13:06

Sample ID: 17G0683-12

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.1		% Wt	1		SM 2540G	7/24/17	7/25/17 8:31	MRL

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Project Location: 510 Grand Ave, New Haven, CT

Sample Description:

Work Order: 17G0683

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-35-3

Sampled: 7/18/2017 13:08

Sample ID: 17G0683-13

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	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:13	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:13	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:13	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:13	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:13	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:13	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:13	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:13	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:13	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		70.2	30-150					7/26/17 21:13	
Decachlorobiphenyl [2]		74.5	30-150					7/26/17 21:13	
Tetrachloro-m-xylene [1]		84.4	30-150					7/26/17 21:13	
Tetrachloro-m-xylene [2]		77.5	30-150					7/26/17 21:13	

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Project Location: 510 Grand Ave, New Haven, CT

Sample Description:

Work Order: 17G0683

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-35-3

Sampled: 7/18/2017 13:08

Sample ID: 17G0683-13

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	84.3		% Wt	1		SM 2540G	7/24/17	7/25/17 8:31	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: 17G0683

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-35-4

Sampled: 7/18/2017 13:10

Sample ID: 17G0683-14

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	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:26	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:26	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:26	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:26	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:26	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:26	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:26	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:26	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:26	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		74.3	30-150					7/26/17 21:26	
Decachlorobiphenyl [2]		77.2	30-150					7/26/17 21:26	
Tetrachloro-m-xylene [1]		83.7	30-150					7/26/17 21:26	
Tetrachloro-m-xylene [2]		76.3	30-150					7/26/17 21:26	

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Project Location: 510 Grand Ave, New Haven, CT

Sample Description:

Work Order: 17G0683

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-35-4

Sampled: 7/18/2017 13:10

Sample ID: 17G0683-14

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	82.7		% Wt	1		SM 2540G	7/24/17	7/25/17 8:31	MRL

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Project Location: 510 Grand Ave, New Haven, CT

Sample Description:

Work Order: 17G0683

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-42-1

Sampled: 7/18/2017 13:07

Sample ID: 17G0683-15

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	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:39	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:39	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:39	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:39	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:39	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:39	JMB
Aroclor-1260 [1]	0.19	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:39	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:39	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:39	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		65.9	30-150					7/26/17 21:39	
Decachlorobiphenyl [2]		71.4	30-150					7/26/17 21:39	
Tetrachloro-m-xylene [1]		81.0	30-150					7/26/17 21:39	
Tetrachloro-m-xylene [2]		75.5	30-150					7/26/17 21:39	

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Project Location: 510 Grand Ave, New Haven, CT

Sample Description:

Work Order: 17G0683

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-42-1

Sampled: 7/18/2017 13:07

Sample ID: 17G0683-15

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	85.5		% Wt	1		SM 2540G	7/24/17	7/25/17 8:31	MRL

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Project Location: 510 Grand Ave, New Haven, CT

Sample Description:

Work Order: 17G0683

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-42-2A

Sampled: 7/18/2017 13:08

Sample ID: 17G0683-16

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	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:52	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:52	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:52	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:52	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:52	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:52	JMB
Aroclor-1260 [1]	0.45	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:52	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:52	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 21:52	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		64.4	30-150					7/26/17 21:52	
Decachlorobiphenyl [2]		69.1	30-150					7/26/17 21:52	
Tetrachloro-m-xylene [1]		82.1	30-150					7/26/17 21:52	
Tetrachloro-m-xylene [2]		75.8	30-150					7/26/17 21:52	

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Project Location: 510 Grand Ave, New Haven, CT

Sample Description:

Work Order: 17G0683

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-42-2A

Sampled: 7/18/2017 13:08

Sample ID: 17G0683-16

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.0		% Wt	1		SM 2540G	7/24/17	7/25/17 8:31	MRL

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Project Location: 510 Grand Ave, New Haven, CT

Sample Description:

Work Order: 17G0683

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-42-2B

Sampled: 7/18/2017 13:09

Sample ID: 17G0683-17

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	0.43	mg/Kg dry	2		SW-846 8270D	7/24/17	7/25/17 16:21	BGL
Acenaphthylene	0.43	0.43	mg/Kg dry	2		SW-846 8270D	7/24/17	7/25/17 16:21	BGL
Anthracene	0.52	0.43	mg/Kg dry	2		SW-846 8270D	7/24/17	7/25/17 16:21	BGL
Benzo(a)anthracene	1.4	0.43	mg/Kg dry	2		SW-846 8270D	7/24/17	7/25/17 16:21	BGL
Benzo(a)pyrene	1.6	0.43	mg/Kg dry	2		SW-846 8270D	7/24/17	7/25/17 16:21	BGL
Benzo(b)fluoranthene	2.3	0.43	mg/Kg dry	2		SW-846 8270D	7/24/17	7/25/17 16:21	BGL
Benzo(g,h,i)perylene	0.94	0.43	mg/Kg dry	2		SW-846 8270D	7/24/17	7/25/17 16:21	BGL
Benzo(k)fluoranthene	0.80	0.43	mg/Kg dry	2		SW-846 8270D	7/24/17	7/25/17 16:21	BGL
Chrysene	1.6	0.43	mg/Kg dry	2		SW-846 8270D	7/24/17	7/25/17 16:21	BGL
Dibenz(a,h)anthracene	ND	0.43	mg/Kg dry	2		SW-846 8270D	7/24/17	7/25/17 16:21	BGL
Fluoranthene	3.1	0.43	mg/Kg dry	2		SW-846 8270D	7/24/17	7/25/17 16:21	BGL
Fluorene	ND	0.43	mg/Kg dry	2		SW-846 8270D	7/24/17	7/25/17 16:21	BGL
Indeno(1,2,3-cd)pyrene	0.99	0.43	mg/Kg dry	2		SW-846 8270D	7/24/17	7/25/17 16:21	BGL
2-Methylnaphthalene	0.54	0.43	mg/Kg dry	2		SW-846 8270D	7/24/17	7/25/17 16:21	BGL
Naphthalene	0.78	0.43	mg/Kg dry	2		SW-846 8270D	7/24/17	7/25/17 16:21	BGL
Phenanthrene	1.6	0.43	mg/Kg dry	2		SW-846 8270D	7/24/17	7/25/17 16:21	BGL
Pyrene	2.5	0.43	mg/Kg dry	2		SW-846 8270D	7/24/17	7/25/17 16:21	BGL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Nitrobenzene-d5		79.2	30-130					7/25/17 16:21	
2-Fluorobiphenyl		75.5	30-130					7/25/17 16:21	
p-Terphenyl-d14		75.7	30-130					7/25/17 16:21	

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Project Location: 510 Grand Ave, New Haven, CT

Sample Description:

Work Order: 17G0683

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-42-2B

Sampled: 7/18/2017 13:09

Sample ID: 17G0683-17

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	2100	1300	mg/Kg dry	100		CTDEP ETPH	7/24/17	7/27/17 3:21	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		*	50-150		S-01			7/27/17 3:21	

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Project Location: 510 Grand Ave, New Haven, CT

Sample Description:

Work Order: 17G0683

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-42-2B

Sampled: 7/18/2017 13:09

Sample ID: 17G0683-17

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	120	3.0	mg/Kg dry	1		SW-846 6010C-D	7/20/17	7/24/17 5:41	QNW

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Project Location: 510 Grand Ave, New Haven, CT

Sample Description:

Work Order: 17G0683

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-42-2B

Sampled: 7/18/2017 13:09

Sample ID: 17G0683-17

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	79.7		% Wt	1		SM 2540G	7/24/17	7/25/17 8:31	MRL

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Project Location: 510 Grand Ave, New Haven, CT

Sample Description:

Work Order: 17G0683

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-42-3

Sampled: 7/18/2017 13:10

Sample ID: 17G0683-18

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	5		SW-846 8082A	7/21/17	7/26/17 22:05	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 22:05	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 22:05	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 22:05	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 22:05	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 22:05	JMB
Aroclor-1260 [1]	0.60	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 22:05	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 22:05	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 22:05	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		62.2	30-150					7/26/17 22:05	
Decachlorobiphenyl [2]		68.6	30-150					7/26/17 22:05	
Tetrachloro-m-xylene [1]		81.1	30-150					7/26/17 22:05	
Tetrachloro-m-xylene [2]		74.4	30-150					7/26/17 22:05	

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Project Location: 510 Grand Ave, New Haven, CT

Sample Description:

Work Order: 17G0683

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-42-3

Sampled: 7/18/2017 13:10

Sample ID: 17G0683-18

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	83.1		% Wt	1		SM 2540G	7/24/17	7/25/17 8:31	MRL

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Project Location: 510 Grand Ave, New Haven, CT

Sample Description:

Work Order: 17G0683

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-42-4

Sampled: 7/18/2017 13:11

Sample ID: 17G0683-19

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	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 22:18	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 22:18	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 22:18	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 22:18	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 22:18	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 22:18	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 22:18	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 22:18	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 22:18	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		57.6	30-150					7/26/17 22:18	
Decachlorobiphenyl [2]		62.2	30-150					7/26/17 22:18	
Tetrachloro-m-xylene [1]		77.0	30-150					7/26/17 22:18	
Tetrachloro-m-xylene [2]		70.4	30-150					7/26/17 22:18	

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Project Location: 510 Grand Ave, New Haven, CT

Sample Description:

Work Order: 17G0683

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-42-4

Sampled: 7/18/2017 13:11

Sample ID: 17G0683-19

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	83.7		% Wt	1		SM 2540G	7/24/17	7/25/17 8:31	MRL

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Project Location: 510 Grand Ave, New Haven, CT

Sample Description:

Work Order: 17G0683

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-41-1

Sampled: 7/18/2017 13:16

Sample ID: 17G0683-20

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	5		SW-846 8082A	7/21/17	7/26/17 22:31	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 22:31	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 22:31	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 22:31	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 22:31	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 22:31	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 22:31	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 22:31	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/21/17	7/26/17 22:31	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		64.5	30-150					7/26/17 22:31	
Decachlorobiphenyl [2]		68.4	30-150					7/26/17 22:31	
Tetrachloro-m-xylene [1]		95.5	30-150					7/26/17 22:31	
Tetrachloro-m-xylene [2]		87.3	30-150					7/26/17 22:31	

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Project Location: 510 Grand Ave, New Haven, CT

Sample Description:

Work Order: 17G0683

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-41-1

Sampled: 7/18/2017 13:16

Sample ID: 17G0683-20

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	95.6		% Wt	1		SM 2540G	7/24/17	7/25/17 8:31	MRL

Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0683-12 [WS-AOC12W-SO-35-2B]	B182388	30.0	1.00	07/24/17
17G0683-17 [WS-AOC12W-SO-42-2B]	B182388	30.0	1.00	07/24/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17G0683-01 [WS-AOC12W-SO-11-2]	B182353	07/24/17
17G0683-02 [WS-AOC12W-SO-11-3]	B182353	07/24/17
17G0683-03 [WS-AOC12W-SO-12-1]	B182353	07/24/17
17G0683-04 [WS-AOC12W-SO-12-2]	B182353	07/24/17
17G0683-05 [WS-AOC12W-SO-12-3]	B182353	07/24/17
17G0683-06 [WS-AOC12W-SO-DUP-5]	B182353	07/24/17
17G0683-07 [WS-AOC12W-SO-7-1 (MS-MSD)]	B182353	07/24/17
17G0683-08 [WS-AOC12W-SO-7-2]	B182353	07/24/17
17G0683-09 [WS-AOC12W-SO-7-3]	B182353	07/24/17
17G0683-10 [WS-AOC12W-SO-35-1]	B182353	07/24/17
17G0683-11 [WS-AOC12W-SO-35-2A]	B182353	07/24/17
17G0683-12 [WS-AOC12W-SO-35-2B]	B182353	07/24/17
17G0683-13 [WS-AOC12W-SO-35-3]	B182353	07/24/17
17G0683-14 [WS-AOC12W-SO-35-4]	B182353	07/24/17
17G0683-15 [WS-AOC12W-SO-42-1]	B182353	07/24/17
17G0683-16 [WS-AOC12W-SO-42-2A]	B182353	07/24/17
17G0683-17 [WS-AOC12W-SO-42-2B]	B182353	07/24/17
17G0683-18 [WS-AOC12W-SO-42-3]	B182353	07/24/17
17G0683-19 [WS-AOC12W-SO-42-4]	B182353	07/24/17
17G0683-20 [WS-AOC12W-SO-41-1]	B182353	07/24/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0683-12 [WS-AOC12W-SO-35-2B]	B182155	1.01	50.0	07/20/17
17G0683-17 [WS-AOC12W-SO-42-2B]	B182155	1.06	50.0	07/20/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0683-01 [WS-AOC12W-SO-11-2]	B182259	10.0	10.0	07/21/17
17G0683-02 [WS-AOC12W-SO-11-3]	B182259	10.0	10.0	07/21/17
17G0683-03 [WS-AOC12W-SO-12-1]	B182259	10.0	10.0	07/21/17
17G0683-04 [WS-AOC12W-SO-12-2]	B182259	10.0	10.0	07/21/17
17G0683-05 [WS-AOC12W-SO-12-3]	B182259	10.0	10.0	07/21/17
17G0683-06 [WS-AOC12W-SO-DUP-5]	B182259	10.0	10.0	07/21/17
17G0683-07 [WS-AOC12W-SO-7-1 (MS-MSD)]	B182259	10.0	10.0	07/21/17
17G0683-08 [WS-AOC12W-SO-7-2]	B182259	10.0	10.0	07/21/17
17G0683-09 [WS-AOC12W-SO-7-3]	B182259	10.0	10.0	07/21/17
17G0683-10 [WS-AOC12W-SO-35-1]	B182259	10.0	10.0	07/21/17
17G0683-11 [WS-AOC12W-SO-35-2A]	B182259	10.0	10.0	07/21/17
17G0683-13 [WS-AOC12W-SO-35-3]	B182259	10.0	10.0	07/21/17
17G0683-14 [WS-AOC12W-SO-35-4]	B182259	10.0	10.0	07/21/17
17G0683-15 [WS-AOC12W-SO-42-1]	B182259	10.0	10.0	07/21/17
17G0683-16 [WS-AOC12W-SO-42-2A]	B182259	10.0	10.0	07/21/17

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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
17G0683-18 [WS-AOC12W-SO-42-3]	B182259	10.0	10.0	07/21/17
17G0683-19 [WS-AOC12W-SO-42-4]	B182259	10.0	10.0	07/21/17
17G0683-20 [WS-AOC12W-SO-41-1]	B182259	10.0	10.0	07/21/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0683-12 [WS-AOC12W-SO-35-2B]	B182398	30.0	1.00	07/24/17
17G0683-17 [WS-AOC12W-SO-42-2B]	B182398	30.0	1.00	07/24/17

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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 B182398 - SW-846 3546										
Blank (B182398-BLK1)										
Prepared: 07/24/17 Analyzed: 07/25/17										
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	2.34		mg/Kg wet	3.33		70.3	30-130			
Surrogate: 2-Fluorobiphenyl	2.43		mg/Kg wet	3.33		73.0	30-130			
Surrogate: p-Terphenyl-d14	3.03		mg/Kg wet	3.33		90.8	30-130			
LCS (B182398-BS1)										
Prepared: 07/24/17 Analyzed: 07/25/17										
Acenaphthene	1.12	0.17	mg/Kg wet	1.67		67.0	40-140			
Acenaphthylene	1.08	0.17	mg/Kg wet	1.67		64.9	40-140			
Anthracene	1.20	0.17	mg/Kg wet	1.67		72.0	40-140			
Benzo(a)anthracene	1.22	0.17	mg/Kg wet	1.67		73.2	40-140			
Benzo(a)pyrene	1.21	0.17	mg/Kg wet	1.67		72.7	40-140			
Benzo(b)fluoranthene	1.14	0.17	mg/Kg wet	1.67		68.4	40-140			
Benzo(g,h,i)perylene	1.31	0.17	mg/Kg wet	1.67		78.4	40-140			
Benzo(k)fluoranthene	1.15	0.17	mg/Kg wet	1.67		69.2	40-140			
Chrysene	1.20	0.17	mg/Kg wet	1.67		72.1	40-140			
Dibenz(a,h)anthracene	1.25	0.17	mg/Kg wet	1.67		75.1	40-140			
Fluoranthene	1.17	0.17	mg/Kg wet	1.67		69.9	40-140			
Fluorene	1.14	0.17	mg/Kg wet	1.67		68.2	40-140			
Indeno(1,2,3-cd)pyrene	1.26	0.17	mg/Kg wet	1.67		75.8	40-140			
2-Methylnaphthalene	1.13	0.17	mg/Kg wet	1.67		67.7	40-140			
Naphthalene	1.07	0.17	mg/Kg wet	1.67		64.4	40-140			
Phenanthrene	1.19	0.17	mg/Kg wet	1.67		71.3	40-140			
Pyrene	1.20	0.17	mg/Kg wet	1.67		72.0	40-140			
Surrogate: Nitrobenzene-d5	2.55		mg/Kg wet	3.33		76.4	30-130			
Surrogate: 2-Fluorobiphenyl	2.55		mg/Kg wet	3.33		76.5	30-130			
Surrogate: p-Terphenyl-d14	2.81		mg/Kg wet	3.33		84.3	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 B182398 - SW-846 3546										
LCS Dup (B182398-BSD1)										
					Prepared: 07/24/17 Analyzed: 07/25/17					
Acenaphthene	1.18	0.17	mg/Kg wet	1.67		70.9	40-140	5.68	30	
Acenaphthylene	1.14	0.17	mg/Kg wet	1.67		68.6	40-140	5.54	30	
Anthracene	1.28	0.17	mg/Kg wet	1.67		76.5	40-140	6.12	30	
Benzo(a)anthracene	1.31	0.17	mg/Kg wet	1.67		78.7	40-140	7.19	30	
Benzo(a)pyrene	1.31	0.17	mg/Kg wet	1.67		78.5	40-140	7.72	30	
Benzo(b)fluoranthene	1.22	0.17	mg/Kg wet	1.67		73.1	40-140	6.59	30	
Benzo(g,h,i)perylene	1.37	0.17	mg/Kg wet	1.67		82.0	40-140	4.46	30	
Benzo(k)fluoranthene	1.22	0.17	mg/Kg wet	1.67		72.9	40-140	5.20	30	
Chrysene	1.30	0.17	mg/Kg wet	1.67		77.7	40-140	7.53	30	
Dibenz(a,h)anthracene	1.34	0.17	mg/Kg wet	1.67		80.3	40-140	6.67	30	
Fluoranthene	1.24	0.17	mg/Kg wet	1.67		74.6	40-140	6.45	30	
Fluorene	1.19	0.17	mg/Kg wet	1.67		71.5	40-140	4.72	30	
Indeno(1,2,3-cd)pyrene	1.30	0.17	mg/Kg wet	1.67		78.2	40-140	3.09	30	
2-Methylnaphthalene	1.22	0.17	mg/Kg wet	1.67		73.1	40-140	7.64	30	
Naphthalene	1.16	0.17	mg/Kg wet	1.67		69.8	40-140	7.99	30	
Phenanthrene	1.28	0.17	mg/Kg wet	1.67		76.6	40-140	7.22	30	
Pyrene	1.26	0.17	mg/Kg wet	1.67		75.9	40-140	5.22	30	
Surrogate: Nitrobenzene-d5	2.77		mg/Kg wet	3.33		83.0	30-130			
Surrogate: 2-Fluorobiphenyl	2.65		mg/Kg wet	3.33		79.6	30-130			
Surrogate: p-Terphenyl-d14	2.93		mg/Kg wet	3.33		88.0	30-130			

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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 B182259 - SW-846 3540C										
Blank (B182259-BLK1)										
Prepared: 07/21/17 Analyzed: 07/26/17										
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	0.154		mg/Kg wet	0.200		77.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.173		mg/Kg wet	0.200		86.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.163		mg/Kg wet	0.200		81.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.162		mg/Kg wet	0.200		80.8	30-150			
LCS (B182259-BS1)										
Prepared: 07/21/17 Analyzed: 07/26/17										
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		81.5	40-140			
Aroclor-1016 [2C]	0.16	0.020	mg/Kg wet	0.200		80.6	40-140			
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		73.9	40-140			
Aroclor-1260 [2C]	0.14	0.020	mg/Kg wet	0.200		67.9	40-140			
Surrogate: Decachlorobiphenyl	0.150		mg/Kg wet	0.200		74.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.167		mg/Kg wet	0.200		83.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.164		mg/Kg wet	0.200		81.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.161		mg/Kg wet	0.200		80.6	30-150			
LCS Dup (B182259-BSD1)										
Prepared: 07/21/17 Analyzed: 07/26/17										
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		87.4	40-140	7.00	30	
Aroclor-1016 [2C]	0.16	0.020	mg/Kg wet	0.200		82.5	40-140	2.33	30	
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		78.8	40-140	6.42	30	
Aroclor-1260 [2C]	0.14	0.020	mg/Kg wet	0.200		71.4	40-140	5.01	30	
Surrogate: Decachlorobiphenyl	0.159		mg/Kg wet	0.200		79.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.177		mg/Kg wet	0.200		88.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.174		mg/Kg wet	0.200		86.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.169		mg/Kg wet	0.200		84.6	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B182259 - SW-846 3540C

Matrix Spike (B182259-MS1)

Source: 17G0683-07

Prepared: 07/21/17 Analyzed: 07/26/17

Aroclor-1016	0.16	0.11	mg/Kg dry	0.219	ND	71.3	40-140			
Aroclor-1016 [2C]	0.20	0.11	mg/Kg dry	0.219	ND	90.3	40-140			
Aroclor-1260	0.15	0.11	mg/Kg dry	0.219	ND	67.4	40-140			
Aroclor-1260 [2C]	0.14	0.11	mg/Kg dry	0.219	ND	62.2	40-140			
Surrogate: Decachlorobiphenyl	0.147		mg/Kg dry	0.219		67.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.148		mg/Kg dry	0.219		67.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.140		mg/Kg dry	0.219		64.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.126		mg/Kg dry	0.219		57.6	30-150			

Matrix Spike Dup (B182259-MSD1)

Source: 17G0683-07

Prepared: 07/21/17 Analyzed: 07/26/17

Aroclor-1016	0.17	0.11	mg/Kg dry	0.219	ND	77.9	40-140	8.92	50	
Aroclor-1016 [2C]	0.15	0.11	mg/Kg dry	0.219	ND	68.8	40-140	27.0	50	
Aroclor-1260	0.15	0.11	mg/Kg dry	0.219	ND	67.2	40-140	0.327	50	
Aroclor-1260 [2C]	0.13	0.11	mg/Kg dry	0.219	ND	58.2	40-140	6.66	50	
Surrogate: Decachlorobiphenyl	0.137		mg/Kg dry	0.219		62.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.141		mg/Kg dry	0.219		64.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.150		mg/Kg dry	0.219		68.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.142		mg/Kg dry	0.219		64.9	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 B182388 - SW-846 3546										
Blank (B182388-BLK1)										
					Prepared: 07/24/17 Analyzed: 07/25/17					
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	3.91		mg/Kg wet	3.33		117	50-150			
LCS (B182388-BS1)										
					Prepared: 07/24/17 Analyzed: 07/25/17					
CT ETPH	34.3	10	mg/Kg wet	33.3		103	60-120			
Surrogate: o-Terphenyl	3.19		mg/Kg wet	3.33		95.6	50-150			
LCS Dup (B182388-BSD1)										
					Prepared: 07/24/17 Analyzed: 07/25/17					
CT ETPH	31.3	10	mg/Kg wet	33.3		93.8	60-120	9.16	30	
Surrogate: o-Terphenyl	2.82		mg/Kg wet	3.33		84.6	50-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B182155 - SW-846 3050B										
Blank (B182155-BLK1)										
					Prepared: 07/20/17 Analyzed: 07/24/17					
Arsenic	ND	2.5	mg/Kg wet							
LCS (B182155-BS1)										
					Prepared: 07/20/17 Analyzed: 07/24/17					
Arsenic	52.4	4.9	mg/Kg wet	57.0		92.0	77.8-122.1			
LCS Dup (B182155-BSD1)										
					Prepared: 07/20/17 Analyzed: 07/24/17					
Arsenic	54.4	5.0	mg/Kg wet	57.0		95.4	77.8-122.1	3.72	30	

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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 B182353 - % Solids										
Duplicate (B182353-DUP1)	Source: 17G0683-01			Prepared: 07/24/17 Analyzed: 07/25/17						
% Solids	80.5		% Wt		83.5			3.66	20	
Duplicate (B182353-DUP2)	Source: 17G0683-07			Prepared: 07/24/17 Analyzed: 07/25/17						
% Solids	92.5		% Wt		91.4			1.20	20	

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

WS-AOC12W-SO-42-1

SW-846 8082A

Lab Sample ID: 17G0683-15 Date(s) Analyzed: 07/26/2017 07/26/2017

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	0.19	
	2	0.000	-0.030	0.030	0.17	16.2

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

WS-AOC12W-SO-42-2A

SW-846 8082A

Lab Sample ID: 17G0683-16 Date(s) Analyzed: 07/26/2017 07/26/2017

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	0.45	
	2	0.000	-0.030	0.030	0.40	11.8

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

WS-AOC12W-SO-42-3

SW-846 8082A

Lab Sample ID: 17G0683-18 Date(s) Analyzed: 07/26/2017 07/26/2017

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	0.60	
	2	0.000	-0.030	0.030	0.56	6.9

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

SW-846 8082A

Lab Sample ID: B182259-BS1 Date(s) Analyzed: 07/26/2017 07/26/2017

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-1016	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.16	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.15	
	2	0.000	-0.030	0.030	0.14	6.9

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

LCS Dup

Lab Sample ID: B182259-BSD1 Date(s) Analyzed: 07/26/2017 07/26/2017

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-1016	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.16	11.8
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.14	13.3

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

Matrix Spike

Lab Sample ID: B182259-MS1 Date(s) Analyzed: 07/26/2017 07/26/2017

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-1016	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.20	22.2
Aroclor-1260	1	0.000	-0.030	0.030	0.15	
	2	0.000	-0.030	0.030	0.14	6.9

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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

Matrix Spike Dup

SW-846 8082A

Lab Sample ID: B182259-MSD1 Date(s) Analyzed: 07/26/2017 07/26/2017

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-1016	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.15	12.5
Aroclor-1260	1	0.000	-0.030	0.030	0.15	
	2	0.000	-0.030	0.030	0.13	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.
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.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
SW-846 6010C-D in Soil	
Arsenic	CT,NH,NY,ME,VA,NC
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

1760683

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 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)

Invoice Recipient: Chris Berthiaume/Will Sirotiak

Sampled By:

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-AOC12W-50-11-2	7/17/17	11:17		X	S	U
2	WS-AOC12W-50-11-3		11:18				
3	WS-AOC12W-50-12-1		11:14				
4	WS-AOC12W-50-12-2		11:16				
5	WS-AOC12W-50-12-3		11:18				
6	WS-AOC12W-50-DOP-5						
7	WS-AOC12W-50-7-1(MS-MSD)		11:37				
8	WS-AOC12W-50-7-2		11:38				
9	WS-AOC12W-50-7-3		11:39				
10	WS-AOC12W-50-35-1		13:02				

Comments:

WS-AOC12W-50-7-1 (MS-MSD)

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

Retrieved by: (signature)	Date/Time	Retrieval Limits Requirements
<i>[Signature]</i>	7/18/17	MA
<i>[Signature]</i>	7/18/17 15:20	CT
<i>[Signature]</i>	7/18/17 5:00	Other
<i>[Signature]</i>	7/17/17 17:00	
<i>[Signature]</i>		
<i>[Signature]</i>		

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

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)

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 East Longmeadow, MA 01028

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

1760683
 Phone: 413-525-2332
 Fax: 413-525-6405
 Email: info@contestlabs.com

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

Run 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-AOC12W-50-35-2A	13:04	7/17/17		X	S	U
12	WS-AOC12W-50-35-2B	13:06					
13	WS-AOC12W-50-35-3	13:08					
14	WS-AOC12W-50-35-4	13:10					
15	WS-AOC12W-50-42-1	13:07					
16	WS-AOC12W-50-42-2A	13:09					
17	WS-AOC12W-50-42-2B	13:09					
18	WS-AOC12W-50-42-3	13:10					
19	WS-AOC12W-50-42-4	13:16					
20	WS-AOC12W-50-41-1	13:16					

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 # _____

NEIAC 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

Retinquished by: (signature)	Date/Time
<i>[Signature]</i>	7/18/17
<i>[Signature]</i>	7/18/17
<i>[Signature]</i>	7/18/17
<i>[Signature]</i>	7/18/17
<i>[Signature]</i>	7/18/17
<i>[Signature]</i>	7/18/17

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 7/18/17 Time 1700

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 - 2.6
 By Blank # Actual Temp -

Was Custody Seal Intact? N/A Were Samples Tampered with? F
 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.		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\A072617\A0726006.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 7/26/17
 Data File Name A0726006.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.08	463644	527307	-12
c - 10	1.43	429813	527307	-18
c - 12	2.17	492951	527307	-7
c - 14	2.84	517034	527307	-2
c - 16	3.44	537487	527307	2
c - 18	4.02	535755	527307	2
o-Terphenyl	4.31	619261	527307	
c - 20	4.64	551123	527307	5
c - 22	5.16	563570	527307	7
c - 24	5.60	530548	527307	1
c - 26	6.00	565016	527307	7
c - 28	6.36	563865	527307	7
c - 30	6.70	559455	527307	6
c - 32	7.01	539794	527307	2
c - 34	7.30	533898	527307	1
c - 36	7.58	525647	527307	0

* One compound allowed %D <= 50%

Samples

17G0872-02
 17G0872-03
 17G0872-04
 17G0872-08
 17G0872-09
 17G0872-11
 17G0872-12
 17G0872-13
 17G0872-15
 17G0872-19
 17G0872-20

7/27/17 10:16 AM

D:\HPCHEM\1\DATA\A072617\A0726062.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 7/27/17
 Data File Name A0726062.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.08	497436	574822	-13
c - 10	1.43	501948	574822	-13
c - 12	2.17	535419	574822	-7
c - 14	2.84	560592	574822	-2
c - 16	3.44	581051	574822	1
c - 18	4.02	581480	574822	1
o-Terphenyl	4.31	680583	574822	
c - 20	4.63	597706	574822	4
c - 22	5.16	610388	574822	6
c - 24	5.60	576317	574822	0
c - 26	6.00	614648	574822	7
c - 28	6.36	608413	574822	6
c - 30	6.70	610047	574822	6
c - 32	7.01	589773	574822	3
c - 34	7.30	582876	574822	1
c - 36	7.58	574232	574822	0

* One compound allowed %D <= 50%

Samples

17G0813-02
 17G0813-03
 17G0813-04
 17G0813-05
 17G0813-06
 17G0813-08
 17G0813-09
 17G0943-01
 17G0872-16
 17G0872-17
 17G0872-18
 17G0872-01

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CT ETPH DISCRIMINATION CHECK

Date Acquired 7/27/17
 Data File Name A0726063.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.14	498471	526360	-5
c - 10	1.49	504262	526360	-4
c - 12	2.22	524847	526360	0
c - 14	2.88	533222	526360	1
c - 16	3.48	543275	526360	3
c - 18	4.06	534698	526360	2
o-Terphenyl	4.35	617280	526360	
c - 20	4.67	545191	526360	4
c - 22	5.18	550713	526360	5
c - 24	5.62	513981	526360	-2
c - 26	6.01	540085	526360	3
c - 28	6.37	535002	526360	2
c - 30	6.70	527759	526360	0
c - 32	7.01	513103	526360	-3
c - 34	7.30	513967	526360	-2
c - 36	7.58	516823	526360	-2

* One compound allowed %D <= 50%

Samples

17G0683-17@100X
 17G0687-15@5X
 17G0813-07@5X
 17G0813-11@5X
 17G0813-12@5X
 17G0813-13@5X
 17G0683-12@5X

D:\HPCHEM\1\DATA\A072617.SEC\A0726007.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 7/26/17
 Data File Name A0726007.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.14	461239	489728	-6
c - 10	1.49	468196	489728	-4
c - 12	2.23	488778	489728	0
c - 14	2.89	498317	489728	2
c - 16	3.48	507877	489728	4
c - 18	4.06	500012	489728	2
o-Terphenyl	4.36	571721	489728	
c - 20	4.67	507396	489728	4
c - 22	5.18	513338	489728	5
c - 24	5.62	478474	489728	-2
c - 26	6.01	503104	489728	3
c - 28	6.37	494682	489728	1
c - 30	6.70	489882	489728	0
c - 32	7.01	476441	489728	-3
c - 34	7.30	478360	489728	-2
c - 36	7.58	479818	489728	-2

* One compound allowed %D </= 50%

Samples

17G0872-21
 17G0872-22
 17G0872-23

D:\HPCHEM\1\DATA\A072817\A0728006.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 7/28/17
 Data File Name A0728006.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.07	451956	506490	-11
c - 10	1.43	426315	506490	-16
c - 12	2.17	478068	506490	-6
c - 14	2.84	489455	506490	-3
c - 16	3.44	503555	506490	-1
c - 18	4.02	499971	506490	-1
o-Terphenyl	4.31	572874	506490	
c - 20	4.64	511535	506490	1
c - 22	5.16	531717	506490	5
c - 24	5.60	496000	506490	-2
c - 26	6.00	529893	506490	5
c - 28	6.36	531454	506490	5
c - 30	6.69	533987	506490	5
c - 32	7.01	528027	506490	4
c - 34	7.30	539030	506490	6
c - 36	7.58	546392	506490	8

* One compound allowed %D <= 50%

Samples

17G0813-10@20X
 17G0683-12@20X

7/28/17 3:59 PM

D:\HPCHEM\1\DATA\A080217.SEC\A0802053.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/2/17
 Data File Name A0802053.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.14	359815	380451	-5
c - 10	1.50	352547	380451	-7
c - 12	2.22	374391	380451	-2
c - 14	2.89	384612	380451	1
c - 16	3.48	394076	380451	4
c - 18	4.05	388606	380451	2
o-Terphenyl	4.36	444826	380451	
c - 20	4.67	393700	380451	3
c - 22	5.18	398363	380451	5
c - 24	5.62	371023	380451	-2
c - 26	6.01	389982	380451	3
c - 28	6.37	384491	380451	1
c - 30	6.70	383606	380451	1
c - 32	7.01	375705	380451	-1
c - 34	7.30	377889	380451	-1
c - 36	7.58	377960	380451	-1

* One compound allowed %D <= 50%

Samples

17G0683-12@20X
 17G0774-04@10X

D:\HPCHEM\1\DATA\A080217.SEC\A080293.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/2/17
 Data File Name A080293.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.14	363192	388257	-6
c - 10	1.49	353450	388257	-9
c - 12	2.23	378033	388257	-3
c - 14	2.89	391251	388257	1
c - 16	3.48	401490	388257	3
c - 18	4.05	397496	388257	2
o-Terphenyl	4.36	454898	388257	
c - 20	4.66	404130	388257	4
c - 22	5.18	408473	388257	5
c - 24	5.62	379630	388257	-2
c - 26	6.01	399141	388257	3
c - 28	6.37	392867	388257	1
c - 30	6.70	393552	388257	1
c - 32	7.01	386366	388257	0
c - 34	7.30	387490	388257	0
c - 36	7.58	387297	388257	0

* One compound allowed %D <= 50%

Samples

17G1059-01@5X
 17G0865-14@5X
 17G0866-14@5X
 17G1077-03
 17G1079-06
 17G1048-01@50X
 17G0911-16@20X
 17G0913-08@50X



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: 17G0683

Laboratory Sample ID(s):

Sample Date(s):

17G0683-01 thru 17G0683-20

07/18/2017

List RCP Methods Used:

CTDEP ETPH, SW-846 6010C-D, 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:

Lisa Worthington

Position: Project Manager

Printed Name: Lisa A. Worthington

Date: 08/03/17

Name of Laboratory: Con-Test Analytical Laboratory

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

August 2, 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: 17G0685

Enclosed are results of analyses for samples received by the laboratory on July 18, 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: 8/2/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G0685

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-AOC12W-SO-41-2	17G0685-01	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-41-3	17G0685-02	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-41-4	17G0685-03	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-36-1	17G0685-04	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-36-2	17G0685-05	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-36-3	17G0685-06	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-36-4	17G0685-07	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-40-1 (MS)	17G0685-08	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-40-2	17G0685-09	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-40-3	17G0685-10	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-40-4	17G0685-11	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-37-1	17G0685-12	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-37-2A	17G0685-13	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-37-2B	17G0685-14	Soil		SM 2540G SW-846 8270D	
WS-AOC12W-SO-37-3	17G0685-15	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-37-4	17G0685-16	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-38-1	17G0685-17	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-38-2	17G0685-18	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-38-3	17G0685-19	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-38-4	17G0685-20	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.

For method 8270, only PAHs were requested and reported.

SW-846 8082A

Qualifications:**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 & Sample(s) Qualified:**Aroclor-1016 [2C]**

B182401-BLK1, B182401-BS1, B182401-BSD1

Aroclor-1260 [2C]

B182401-BLK1, B182401-BS1, B182401-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: 17G0685

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-41-2

Sampled: 7/18/2017 13:17

Sample ID: 17G0685-01

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	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 21:56	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 21:56	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 21:56	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 21:56	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 21:56	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 21:56	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 21:56	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 21:56	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 21:56	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		64.9	30-150					7/26/17 21:56	
Decachlorobiphenyl [2]		72.5	30-150					7/26/17 21:56	
Tetrachloro-m-xylene [1]		77.6	30-150					7/26/17 21:56	
Tetrachloro-m-xylene [2]		81.2	30-150					7/26/17 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: 17G0685

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-41-2

Sampled: 7/18/2017 13:17

Sample ID: 17G0685-01

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.5		% Wt	1		SM 2540G	7/24/17	7/25/17 9:10	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: 17G0685

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-41-3

Sampled: 7/18/2017 13:18

Sample ID: 17G0685-02

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	0.13	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 6:38	JMB
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 6:38	JMB
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 6:38	JMB
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 6:38	JMB
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 6:38	JMB
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 6:38	JMB
Aroclor-1260 [1]	0.37	0.13	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 6:38	JMB
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 6:38	JMB
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 6:38	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		46.5	30-150					7/27/17 6:38	
Decachlorobiphenyl [2]		55.1	30-150					7/27/17 6:38	
Tetrachloro-m-xylene [1]		55.7	30-150					7/27/17 6:38	
Tetrachloro-m-xylene [2]		56.1	30-150					7/27/17 6:38	

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: 17G0685

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-41-3

Sampled: 7/18/2017 13:18

Sample ID: 17G0685-02

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	75.8		% Wt	1		SM 2540G	7/24/17	7/25/17 9:10	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: 17G0685

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-41-4

Sampled: 7/18/2017 13:19

Sample ID: 17G0685-03

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	5		SW-846 8082A	7/24/17	7/26/17 22:21	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 22:21	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 22:21	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 22:21	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 22:21	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 22:21	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 22:21	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 22:21	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 22:21	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		54.1	30-150					7/26/17 22:21	
Decachlorobiphenyl [2]		64.8	30-150					7/26/17 22:21	
Tetrachloro-m-xylene [1]		65.7	30-150					7/26/17 22:21	
Tetrachloro-m-xylene [2]		64.4	30-150					7/26/17 22:21	

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

Sample Description:

Work Order: 17G0685

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-41-4

Sampled: 7/18/2017 13:19

Sample ID: 17G0685-03

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	78.3		% Wt	1		SM 2540G	7/24/17	7/25/17 9:10	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: 17G0685

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-36-1

Sampled: 7/18/2017 13:20

Sample ID: 17G0685-04

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	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 22:33	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 22:33	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 22:33	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 22:33	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 22:33	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 22:33	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 22:33	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 22:33	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 22:33	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		46.6	30-150					7/26/17 22:33	
Decachlorobiphenyl [2]		53.3	30-150					7/26/17 22:33	
Tetrachloro-m-xylene [1]		59.3	30-150					7/26/17 22:33	
Tetrachloro-m-xylene [2]		60.1	30-150					7/26/17 22:33	

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

Sample Description:

Work Order: 17G0685

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-36-1

Sampled: 7/18/2017 13:20

Sample ID: 17G0685-04

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	94.2		% Wt	1		SM 2540G	7/24/17	7/25/17 9:10	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: 17G0685

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-36-2

Sampled: 7/18/2017 13:22

Sample ID: 17G0685-05

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	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 22:45	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 22:45	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 22:45	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 22:45	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 22:45	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 22:45	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 22:45	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 22:45	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 22:45	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		44.1	30-150					7/26/17 22:45	
Decachlorobiphenyl [2]		51.4	30-150					7/26/17 22:45	
Tetrachloro-m-xylene [1]		57.2	30-150					7/26/17 22:45	
Tetrachloro-m-xylene [2]		58.1	30-150					7/26/17 22:45	

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: 17G0685

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-36-2

Sampled: 7/18/2017 13:22

Sample ID: 17G0685-05

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	90.5		% Wt	1		SM 2540G	7/24/17	7/25/17 9:10	MRL

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

Sample Description:

Work Order: 17G0685

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-36-3

Sampled: 7/18/2017 13:24

Sample ID: 17G0685-06

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	0.12	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 22:58	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 22:58	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 22:58	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 22:58	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 22:58	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 22:58	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 22:58	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 22:58	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 22:58	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		58.6	30-150					7/26/17 22:58	
Decachlorobiphenyl [2]		67.2	30-150					7/26/17 22:58	
Tetrachloro-m-xylene [1]		75.6	30-150					7/26/17 22:58	
Tetrachloro-m-xylene [2]		75.1	30-150					7/26/17 22:58	

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

Sample Description:

Work Order: 17G0685

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-36-3

Sampled: 7/18/2017 13:24

Sample ID: 17G0685-06

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	86.4		% Wt	1		SM 2540G	7/24/17	7/25/17 9:10	MRL

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

Sample Description:

Work Order: 17G0685

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-36-4

Sampled: 7/18/2017 13:26

Sample ID: 17G0685-07

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	5		SW-846 8082A	7/24/17	7/26/17 23:10	JMB
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 23:10	JMB
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 23:10	JMB
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 23:10	JMB
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 23:10	JMB
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 23:10	JMB
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 23:10	JMB
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 23:10	JMB
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 23:10	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		52.6	30-150					7/26/17 23:10	
Decachlorobiphenyl [2]		58.0	30-150					7/26/17 23:10	
Tetrachloro-m-xylene [1]		66.7	30-150					7/26/17 23:10	
Tetrachloro-m-xylene [2]		70.9	30-150					7/26/17 23:10	

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

Sample Description:

Work Order: 17G0685

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-36-4

Sampled: 7/18/2017 13:26

Sample ID: 17G0685-07

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	72.3		% Wt	1		SM 2540G	7/24/17	7/25/17 9:10	MRL

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

Sample Description:

Work Order: 17G0685

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-40-1 (MS)

Sampled: 7/18/2017 13:33

Sample ID: 17G0685-08

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	5		SW-846 8082A	7/24/17	7/26/17 23:23	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 23:23	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 23:23	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 23:23	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 23:23	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 23:23	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 23:23	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 23:23	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 23:23	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		74.4	30-150					7/26/17 23:23	
Decachlorobiphenyl [2]		82.0	30-150					7/26/17 23:23	
Tetrachloro-m-xylene [1]		87.4	30-150					7/26/17 23:23	
Tetrachloro-m-xylene [2]		94.2	30-150					7/26/17 23:23	

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

Sample Description:

Work Order: 17G0685

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-40-1 (MS)

Sampled: 7/18/2017 13:33

Sample ID: 17G0685-08

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.3		% Wt	1		SM 2540G	7/24/17	7/25/17 9:10	MRL

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

Sample Description:

Work Order: 17G0685

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-40-2

Sampled: 7/18/2017 13:34

Sample ID: 17G0685-09

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	5		SW-846 8082A	7/24/17	7/26/17 23:35	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 23:35	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 23:35	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 23:35	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 23:35	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 23:35	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 23:35	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 23:35	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/26/17 23:35	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		62.5	30-150					7/26/17 23:35	
Decachlorobiphenyl [2]		72.2	30-150					7/26/17 23:35	
Tetrachloro-m-xylene [1]		74.3	30-150					7/26/17 23:35	
Tetrachloro-m-xylene [2]		75.9	30-150					7/26/17 23:35	

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

Sample Description:

Work Order: 17G0685

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-40-2

Sampled: 7/18/2017 13:34

Sample ID: 17G0685-09

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.7		% Wt	1		SM 2540G	7/24/17	7/25/17 9:10	MRL

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

Sample Description:

Work Order: 17G0685

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-40-3

Sampled: 7/18/2017 13:35

Sample ID: 17G0685-10

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	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 6:50	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 6:50	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 6:50	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 6:50	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 6:50	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 6:50	JMB
Aroclor-1260 [1]	0.38	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 6:50	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 6:50	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 6:50	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		64.2	30-150					7/27/17 6:50	
Decachlorobiphenyl [2]		77.9	30-150					7/27/17 6:50	
Tetrachloro-m-xylene [1]		80.3	30-150					7/27/17 6:50	
Tetrachloro-m-xylene [2]		77.1	30-150					7/27/17 6:50	

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

Sample Description:

Work Order: 17G0685

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-40-3

Sampled: 7/18/2017 13:35

Sample ID: 17G0685-10

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	84.0		% Wt	1		SM 2540G	7/24/17	7/25/17 9:10	MRL

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

Sample Description:

Work Order: 17G0685

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-40-4

Sampled: 7/18/2017 13:36

Sample ID: 17G0685-11

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	0.13	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 0:37	JMB
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 0:37	JMB
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 0:37	JMB
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 0:37	JMB
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 0:37	JMB
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 0:37	JMB
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 0:37	JMB
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 0:37	JMB
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 0:37	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		71.4	30-150					7/27/17 0:37	
Decachlorobiphenyl [2]		80.4	30-150					7/27/17 0:37	
Tetrachloro-m-xylene [1]		84.5	30-150					7/27/17 0:37	
Tetrachloro-m-xylene [2]		85.1	30-150					7/27/17 0:37	

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

Sample Description:

Work Order: 17G0685

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-40-4

Sampled: 7/18/2017 13:36

Sample ID: 17G0685-11

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	72.7		% Wt	1		SM 2540G	7/24/17	7/25/17 9:10	MRL

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

Sample Description:

Work Order: 17G0685

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-37-1

Sampled: 7/18/2017 13:38

Sample ID: 17G0685-12

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	0.10	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 0:49	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 0:49	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 0:49	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 0:49	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 0:49	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 0:49	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 0:49	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 0:49	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 0:49	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		31.4	30-150					7/27/17 0:49	
Decachlorobiphenyl [2]		35.2	30-150					7/27/17 0:49	
Tetrachloro-m-xylene [1]		39.6	30-150					7/27/17 0:49	
Tetrachloro-m-xylene [2]		41.6	30-150					7/27/17 0:49	

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

Sample Description:

Work Order: 17G0685

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-37-1

Sampled: 7/18/2017 13:38

Sample ID: 17G0685-12

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	94.3		% Wt	1		SM 2540G	7/24/17	7/25/17 9:10	MRL

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

Sample Description:

Work Order: 17G0685

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-37-2A

Sampled: 7/18/2017 13:30

Sample ID: 17G0685-13

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	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:02	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:02	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:02	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:02	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:02	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:02	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:02	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:02	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:02	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		63.6	30-150					7/27/17 1:02	
Decachlorobiphenyl [2]		75.4	30-150					7/27/17 1:02	
Tetrachloro-m-xylene [1]		74.7	30-150					7/27/17 1:02	
Tetrachloro-m-xylene [2]		71.1	30-150					7/27/17 1:02	

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

Sample Description:

Work Order: 17G0685

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-37-2A

Sampled: 7/18/2017 13:30

Sample ID: 17G0685-13

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.2		% Wt	1		SM 2540G	7/24/17	7/25/17 9:10	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: 17G0685

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-37-2B

Sampled: 7/18/2017 13:32

Sample ID: 17G0685-14

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	7/24/17	7/25/17 15:33	BGL
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	7/24/17	7/25/17 15:33	BGL
Anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	7/24/17	7/25/17 15:33	BGL
Benzo(a)anthracene	0.47	0.20	mg/Kg dry	1		SW-846 8270D	7/24/17	7/25/17 15:33	BGL
Benzo(a)pyrene	0.41	0.20	mg/Kg dry	1		SW-846 8270D	7/24/17	7/25/17 15:33	BGL
Benzo(b)fluoranthene	0.87	0.20	mg/Kg dry	1		SW-846 8270D	7/24/17	7/25/17 15:33	BGL
Benzo(g,h,i)perylene	0.26	0.20	mg/Kg dry	1		SW-846 8270D	7/24/17	7/25/17 15:33	BGL
Benzo(k)fluoranthene	0.26	0.20	mg/Kg dry	1		SW-846 8270D	7/24/17	7/25/17 15:33	BGL
Chrysene	0.89	0.20	mg/Kg dry	1		SW-846 8270D	7/24/17	7/25/17 15:33	BGL
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	7/24/17	7/25/17 15:33	BGL
Fluoranthene	1.3	0.20	mg/Kg dry	1		SW-846 8270D	7/24/17	7/25/17 15:33	BGL
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270D	7/24/17	7/25/17 15:33	BGL
Indeno(1,2,3-cd)pyrene	0.30	0.20	mg/Kg dry	1		SW-846 8270D	7/24/17	7/25/17 15:33	BGL
2-Methylnaphthalene	0.67	0.20	mg/Kg dry	1		SW-846 8270D	7/24/17	7/25/17 15:33	BGL
Naphthalene	0.53	0.20	mg/Kg dry	1		SW-846 8270D	7/24/17	7/25/17 15:33	BGL
Phenanthrene	1.3	0.20	mg/Kg dry	1		SW-846 8270D	7/24/17	7/25/17 15:33	BGL
Pyrene	0.83	0.20	mg/Kg dry	1		SW-846 8270D	7/24/17	7/25/17 15:33	BGL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Nitrobenzene-d5		64.1	30-130					7/25/17 15:33	
2-Fluorobiphenyl		64.4	30-130					7/25/17 15:33	
p-Terphenyl-d14		66.2	30-130					7/25/17 15:33	

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: 17G0685

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-37-2B

Sampled: 7/18/2017 13:32

Sample ID: 17G0685-14

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	86.3		% Wt	1		SM 2540G	7/24/17	7/25/17 9:10	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: 17G0685

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-37-3

Sampled: 7/18/2017 13:34

Sample ID: 17G0685-15

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	0.12	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:14	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:14	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:14	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:14	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:14	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:14	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:14	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:14	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:14	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		72.8	30-150					7/27/17 1:14	
Decachlorobiphenyl [2]		82.4	30-150					7/27/17 1:14	
Tetrachloro-m-xylene [1]		92.7	30-150					7/27/17 1:14	
Tetrachloro-m-xylene [2]		96.8	30-150					7/27/17 1:14	

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: 17G0685

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-37-3

Sampled: 7/18/2017 13:34

Sample ID: 17G0685-15

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.1		% Wt	1		SM 2540G	7/24/17	7/25/17 9:10	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: 17G0685

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-37-4

Sampled: 7/18/2017 13:36

Sample ID: 17G0685-16

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	0.25	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:27	JMB
Aroclor-1221 [1]	ND	0.25	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:27	JMB
Aroclor-1232 [1]	ND	0.25	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:27	JMB
Aroclor-1242 [1]	ND	0.25	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:27	JMB
Aroclor-1248 [1]	ND	0.25	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:27	JMB
Aroclor-1254 [1]	ND	0.25	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:27	JMB
Aroclor-1260 [1]	ND	0.25	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:27	JMB
Aroclor-1262 [1]	ND	0.25	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:27	JMB
Aroclor-1268 [1]	ND	0.25	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:27	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		61.9	30-150					7/27/17 1:27	
Decachlorobiphenyl [2]		91.3	30-150					7/27/17 1:27	
Tetrachloro-m-xylene [1]		68.7	30-150					7/27/17 1:27	
Tetrachloro-m-xylene [2]		66.5	30-150					7/27/17 1:27	

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

Sample Description:

Work Order: 17G0685

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-37-4

Sampled: 7/18/2017 13:36

Sample ID: 17G0685-16

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	40.1		% Wt	1		SM 2540G	7/24/17	7/25/17 9:10	MRL

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

Sample Description:

Work Order: 17G0685

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-38-1

Sampled: 7/18/2017 13:46

Sample ID: 17G0685-17

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:39	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:39	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:39	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:39	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:39	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:39	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:39	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:39	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:39	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		69.7	30-150					7/27/17 1:39	
Decachlorobiphenyl [2]		79.8	30-150					7/27/17 1:39	
Tetrachloro-m-xylene [1]		92.0	30-150					7/27/17 1:39	
Tetrachloro-m-xylene [2]		98.9	30-150					7/27/17 1:39	

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: 17G0685

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-38-1

Sampled: 7/18/2017 13:46

Sample ID: 17G0685-17

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	97.1		% Wt	1		SM 2540G	7/24/17	7/25/17 9:10	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: 17G0685

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-38-2

Sampled: 7/18/2017 13:48

Sample ID: 17G0685-18

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	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:51	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:51	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:51	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:51	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:51	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:51	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:51	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:51	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 1:51	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		56.3	30-150					7/27/17 1:51	
Decachlorobiphenyl [2]		64.7	30-150					7/27/17 1:51	
Tetrachloro-m-xylene [1]		77.5	30-150					7/27/17 1:51	
Tetrachloro-m-xylene [2]		77.1	30-150					7/27/17 1:51	

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: 17G0685

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-38-2

Sampled: 7/18/2017 13:48

Sample ID: 17G0685-18

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	86.7		% Wt	1		SM 2540G	7/24/17	7/25/17 9:10	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: 17G0685

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-38-3

Sampled: 7/18/2017 13:50

Sample ID: 17G0685-19

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	0.12	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 2:04	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 2:04	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 2:04	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 2:04	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 2:04	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 2:04	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 2:04	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 2:04	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 2:04	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		59.7	30-150					7/27/17 2:04	
Decachlorobiphenyl [2]		68.8	30-150					7/27/17 2:04	
Tetrachloro-m-xylene [1]		83.1	30-150					7/27/17 2:04	
Tetrachloro-m-xylene [2]		84.8	30-150					7/27/17 2:04	

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: 17G0685

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-38-3

Sampled: 7/18/2017 13:50

Sample ID: 17G0685-19

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	85.3		% Wt	1		SM 2540G	7/24/17	7/25/17 9:10	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: 17G0685

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-38-4

Sampled: 7/18/2017 13:52

Sample ID: 17G0685-20

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	0.13	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 2:16	JMB
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 2:16	JMB
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 2:16	JMB
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 2:16	JMB
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 2:16	JMB
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 2:16	JMB
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 2:16	JMB
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 2:16	JMB
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/24/17	7/27/17 2:16	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		68.3	30-150					7/27/17 2:16	
Decachlorobiphenyl [2]		75.1	30-150					7/27/17 2:16	
Tetrachloro-m-xylene [1]		88.0	30-150					7/27/17 2:16	
Tetrachloro-m-xylene [2]		92.1	30-150					7/27/17 2:16	

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: 17G0685

Date Received: 7/18/2017

Field Sample #: WS-AOC12W-SO-38-4

Sampled: 7/18/2017 13:52

Sample ID: 17G0685-20

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	72.9		% Wt	1		SM 2540G	7/24/17	7/25/17 9:10	MRL

Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17G0685-01 [WS-AOC12W-SO-41-2]	B182352	07/24/17
17G0685-02 [WS-AOC12W-SO-41-3]	B182352	07/24/17
17G0685-03 [WS-AOC12W-SO-41-4]	B182352	07/24/17
17G0685-04 [WS-AOC12W-SO-36-1]	B182352	07/24/17
17G0685-05 [WS-AOC12W-SO-36-2]	B182352	07/24/17
17G0685-06 [WS-AOC12W-SO-36-3]	B182352	07/24/17
17G0685-07 [WS-AOC12W-SO-36-4]	B182352	07/24/17
17G0685-08 [WS-AOC12W-SO-40-1 (MS)]	B182352	07/24/17
17G0685-09 [WS-AOC12W-SO-40-2]	B182352	07/24/17
17G0685-10 [WS-AOC12W-SO-40-3]	B182352	07/24/17
17G0685-11 [WS-AOC12W-SO-40-4]	B182352	07/24/17
17G0685-12 [WS-AOC12W-SO-37-1]	B182352	07/24/17
17G0685-13 [WS-AOC12W-SO-37-2A]	B182352	07/24/17
17G0685-14 [WS-AOC12W-SO-37-2B]	B182352	07/24/17
17G0685-15 [WS-AOC12W-SO-37-3]	B182352	07/24/17
17G0685-16 [WS-AOC12W-SO-37-4]	B182352	07/24/17
17G0685-17 [WS-AOC12W-SO-38-1]	B182352	07/24/17
17G0685-18 [WS-AOC12W-SO-38-2]	B182352	07/24/17
17G0685-19 [WS-AOC12W-SO-38-3]	B182352	07/24/17
17G0685-20 [WS-AOC12W-SO-38-4]	B182352	07/24/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0685-01 [WS-AOC12W-SO-41-2]	B182401	10.1	10.0	07/24/17
17G0685-02 [WS-AOC12W-SO-41-3]	B182401	10.2	10.0	07/24/17
17G0685-03 [WS-AOC12W-SO-41-4]	B182401	10.4	10.0	07/24/17
17G0685-04 [WS-AOC12W-SO-36-1]	B182401	10.1	10.0	07/24/17
17G0685-05 [WS-AOC12W-SO-36-2]	B182401	10.3	10.0	07/24/17
17G0685-06 [WS-AOC12W-SO-36-3]	B182401	10.0	10.0	07/24/17
17G0685-07 [WS-AOC12W-SO-36-4]	B182401	10.8	10.0	07/24/17
17G0685-08 [WS-AOC12W-SO-40-1 (MS)]	B182401	10.1	10.0	07/24/17
17G0685-09 [WS-AOC12W-SO-40-2]	B182401	10.1	10.0	07/24/17
17G0685-10 [WS-AOC12W-SO-40-3]	B182401	10.7	10.0	07/24/17
17G0685-11 [WS-AOC12W-SO-40-4]	B182401	10.3	10.0	07/24/17
17G0685-12 [WS-AOC12W-SO-37-1]	B182401	10.1	10.0	07/24/17
17G0685-13 [WS-AOC12W-SO-37-2A]	B182401	10.0	10.0	07/24/17
17G0685-15 [WS-AOC12W-SO-37-3]	B182401	10.0	10.0	07/24/17
17G0685-16 [WS-AOC12W-SO-37-4]	B182401	10.1	10.0	07/24/17
17G0685-17 [WS-AOC12W-SO-38-1]	B182401	10.3	10.0	07/24/17
17G0685-18 [WS-AOC12W-SO-38-2]	B182401	10.3	10.0	07/24/17
17G0685-19 [WS-AOC12W-SO-38-3]	B182401	10.0	10.0	07/24/17
17G0685-20 [WS-AOC12W-SO-38-4]	B182401	10.5	10.0	07/24/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0685-14 [WS-AOC12W-SO-37-2B]	B182398	30.0	1.00	07/24/17

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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 B182398 - SW-846 3546										
Blank (B182398-BLK1)										
Prepared: 07/24/17 Analyzed: 07/25/17										
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	2.34		mg/Kg wet	3.33		70.3	30-130			
Surrogate: 2-Fluorobiphenyl	2.43		mg/Kg wet	3.33		73.0	30-130			
Surrogate: p-Terphenyl-d14	3.03		mg/Kg wet	3.33		90.8	30-130			
LCS (B182398-BS1)										
Prepared: 07/24/17 Analyzed: 07/25/17										
Acenaphthene	1.12	0.17	mg/Kg wet	1.67		67.0	40-140			
Acenaphthylene	1.08	0.17	mg/Kg wet	1.67		64.9	40-140			
Anthracene	1.20	0.17	mg/Kg wet	1.67		72.0	40-140			
Benzo(a)anthracene	1.22	0.17	mg/Kg wet	1.67		73.2	40-140			
Benzo(a)pyrene	1.21	0.17	mg/Kg wet	1.67		72.7	40-140			
Benzo(b)fluoranthene	1.14	0.17	mg/Kg wet	1.67		68.4	40-140			
Benzo(g,h,i)perylene	1.31	0.17	mg/Kg wet	1.67		78.4	40-140			
Benzo(k)fluoranthene	1.15	0.17	mg/Kg wet	1.67		69.2	40-140			
Chrysene	1.20	0.17	mg/Kg wet	1.67		72.1	40-140			
Dibenz(a,h)anthracene	1.25	0.17	mg/Kg wet	1.67		75.1	40-140			
Fluoranthene	1.17	0.17	mg/Kg wet	1.67		69.9	40-140			
Fluorene	1.14	0.17	mg/Kg wet	1.67		68.2	40-140			
Indeno(1,2,3-cd)pyrene	1.26	0.17	mg/Kg wet	1.67		75.8	40-140			
2-Methylnaphthalene	1.13	0.17	mg/Kg wet	1.67		67.7	40-140			
Naphthalene	1.07	0.17	mg/Kg wet	1.67		64.4	40-140			
Phenanthrene	1.19	0.17	mg/Kg wet	1.67		71.3	40-140			
Pyrene	1.20	0.17	mg/Kg wet	1.67		72.0	40-140			
Surrogate: Nitrobenzene-d5	2.55		mg/Kg wet	3.33		76.4	30-130			
Surrogate: 2-Fluorobiphenyl	2.55		mg/Kg wet	3.33		76.5	30-130			
Surrogate: p-Terphenyl-d14	2.81		mg/Kg wet	3.33		84.3	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 B182398 - SW-846 3546										
LCS Dup (B182398-BSD1)										
					Prepared: 07/24/17 Analyzed: 07/25/17					
Acenaphthene	1.18	0.17	mg/Kg wet	1.67		70.9	40-140	5.68	30	
Acenaphthylene	1.14	0.17	mg/Kg wet	1.67		68.6	40-140	5.54	30	
Anthracene	1.28	0.17	mg/Kg wet	1.67		76.5	40-140	6.12	30	
Benzo(a)anthracene	1.31	0.17	mg/Kg wet	1.67		78.7	40-140	7.19	30	
Benzo(a)pyrene	1.31	0.17	mg/Kg wet	1.67		78.5	40-140	7.72	30	
Benzo(b)fluoranthene	1.22	0.17	mg/Kg wet	1.67		73.1	40-140	6.59	30	
Benzo(g,h,i)perylene	1.37	0.17	mg/Kg wet	1.67		82.0	40-140	4.46	30	
Benzo(k)fluoranthene	1.22	0.17	mg/Kg wet	1.67		72.9	40-140	5.20	30	
Chrysene	1.30	0.17	mg/Kg wet	1.67		77.7	40-140	7.53	30	
Dibenz(a,h)anthracene	1.34	0.17	mg/Kg wet	1.67		80.3	40-140	6.67	30	
Fluoranthene	1.24	0.17	mg/Kg wet	1.67		74.6	40-140	6.45	30	
Fluorene	1.19	0.17	mg/Kg wet	1.67		71.5	40-140	4.72	30	
Indeno(1,2,3-cd)pyrene	1.30	0.17	mg/Kg wet	1.67		78.2	40-140	3.09	30	
2-Methylnaphthalene	1.22	0.17	mg/Kg wet	1.67		73.1	40-140	7.64	30	
Naphthalene	1.16	0.17	mg/Kg wet	1.67		69.8	40-140	7.99	30	
Phenanthrene	1.28	0.17	mg/Kg wet	1.67		76.6	40-140	7.22	30	
Pyrene	1.26	0.17	mg/Kg wet	1.67		75.9	40-140	5.22	30	
Surrogate: Nitrobenzene-d5	2.77		mg/Kg wet	3.33		83.0	30-130			
Surrogate: 2-Fluorobiphenyl	2.65		mg/Kg wet	3.33		79.6	30-130			
Surrogate: p-Terphenyl-d14	2.93		mg/Kg wet	3.33		88.0	30-130			

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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 B182401 - SW-846 3540C										
Blank (B182401-BLK1)										
Prepared: 07/24/17 Analyzed: 07/26/17										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							V-05
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							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	0.144		mg/Kg wet	0.200		72.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.133		mg/Kg wet	0.200		66.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.164		mg/Kg wet	0.200		82.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.142		mg/Kg wet	0.200		70.8	30-150			
LCS (B182401-BS1)										
Prepared: 07/24/17 Analyzed: 07/26/17										
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		82.4	40-140			
Aroclor-1016 [2C]	0.16	0.020	mg/Kg wet	0.200		82.1	40-140			V-05
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		76.3	40-140			
Aroclor-1260 [2C]	0.14	0.020	mg/Kg wet	0.200		72.2	40-140			V-05
Surrogate: Decachlorobiphenyl	0.167		mg/Kg wet	0.200		83.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.145		mg/Kg wet	0.200		72.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.171		mg/Kg wet	0.200		85.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.143		mg/Kg wet	0.200		71.4	30-150			
LCS Dup (B182401-BSD1)										
Prepared: 07/24/17 Analyzed: 07/26/17										
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		77.7	40-140	5.81	30	
Aroclor-1016 [2C]	0.15	0.020	mg/Kg wet	0.200		76.7	40-140	6.89	30	V-05
Aroclor-1260	0.14	0.020	mg/Kg wet	0.200		70.3	40-140	8.25	30	
Aroclor-1260 [2C]	0.13	0.020	mg/Kg wet	0.200		66.7	40-140	7.96	30	V-05
Surrogate: Decachlorobiphenyl	0.153		mg/Kg wet	0.200		76.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.141		mg/Kg wet	0.200		70.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.174		mg/Kg wet	0.200		87.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.150		mg/Kg wet	0.200		74.8	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B182401 - SW-846 3540C

Matrix Spike (B182401-MS1)

Source: 17G0685-08

Prepared: 07/24/17 Analyzed: 07/27/17

Aroclor-1016	0.18	0.10	mg/Kg dry	0.210	ND	83.5	40-140			
Aroclor-1016 [2C]	0.18	0.10	mg/Kg dry	0.210	ND	86.4	40-140			
Aroclor-1260	0.15	0.10	mg/Kg dry	0.210	ND	70.2	40-140			
Aroclor-1260 [2C]	0.14	0.10	mg/Kg dry	0.210	ND	66.4	40-140			
Surrogate: Decachlorobiphenyl	0.139		mg/Kg dry	0.210		66.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.152		mg/Kg dry	0.210		72.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.166		mg/Kg dry	0.210		79.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.177		mg/Kg dry	0.210		84.2	30-150			

Matrix Spike Dup (B182401-MSD1)

Source: 17G0685-08

Prepared: 07/24/17 Analyzed: 07/27/17

Aroclor-1016	0.19	0.10	mg/Kg dry	0.208	ND	93.4	40-140	10.2	50	
Aroclor-1016 [2C]	0.20	0.10	mg/Kg dry	0.208	ND	95.3	40-140	8.87	50	
Aroclor-1260	0.16	0.10	mg/Kg dry	0.208	ND	76.7	40-140	7.92	50	
Aroclor-1260 [2C]	0.16	0.10	mg/Kg dry	0.208	ND	76.5	40-140	13.1	50	
Surrogate: Decachlorobiphenyl	0.148		mg/Kg dry	0.208		71.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.152		mg/Kg dry	0.208		73.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.169		mg/Kg dry	0.208		81.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.182		mg/Kg dry	0.208		87.8	30-150			

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QUALITY CONTROL

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B182352 - % Solids										
Duplicate (B182352-DUP5)	Source: 17G0685-08			Prepared: 07/24/17 Analyzed: 07/25/17						
% Solids	95.5		% Wt		95.3			0.210	20	
Duplicate (B182352-DUP6)	Source: 17G0685-09			Prepared: 07/24/17 Analyzed: 07/25/17						
% Solids	92.1		% Wt		92.7			0.649	20	

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

WS-AOC12W-SO-41-3

SW-846 8082A

Lab Sample ID: 17G0685-02 Date(s) Analyzed 07/27/2017 07/27/2017

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	0.37	
	2	0.000	-0.030	0.030	0.36	5.4

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

WS-AOC12W-SO-40-3

Lab Sample ID: 17G0685-10 Date(s) Analyzed 07/27/2017 07/27/2017

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	0.38	
	2	0.000	-0.030	0.030	0.36	5.4

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

SW-846 8082A

Lab Sample ID: B182401-BS1 Date(s) Analyzed 07/26/2017 07/26/2017

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	0.16	6.1
Aroclor-1260	1	0.000	-0.030	0.030	0.15	
	2	0.000	-0.030	0.030	0.14	6.9

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

LCS Dup

Lab Sample ID: B182401-BSD1 Date(s) Analyzed 07/26/2017 07/26/2017

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	0.15	6.5
Aroclor-1260	1	0.000	-0.030	0.030	0.14	
	2	0.000	-0.030	0.030	0.13	7.4

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

Matrix Spike

Lab Sample ID: B182401-MS1 Date(s) Analyzed 07/27/2017 07/27/2017

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	0.18	
	2	0.000	-0.030	0.030	0.18	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.15	
	2	0.000	-0.030	0.030	0.14	6.9

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

Matrix Spike Dup

SW-846 8082A

Lab Sample ID: B182401-MSD1 Date(s) Analyzed 07/27/2017 07/27/2017

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	0.19	
	2	0.000	-0.030	0.030	0.20	5.1
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.16	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.
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 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 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

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

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

39 Spruce Street
East Longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

1760685



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 Sirotinak

Requested Turnaround Time:
 7-Day 10-Day 5-Day
 Other: 3-Day 4-Day
 Rush Approval Required:
 Data Delivery: EXCEL
 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-AOC12W-SO-41-2	7/18/17	13:17	X	S	V	
2	WS-AOC12W-SO-41-3		13:18				
3	WS-AOC12W-SO-41-4		13:19				
4	WS-AOC12W-SO-36-1		13:20				
5	WS-AOC12W-SO-36-2		13:22				
6	WS-AOC12W-SO-36-3		13:24				
7	WS-AOC12W-SO-36-4		13:26				
8	WS-AOC12W-SO-40-1(MSY)		13:33				
9	WS-AOC12W-SO-40-2		13:34				
10	WS-AOC12W-SO-40-3		13:35				

Comments: WS-AOC12W-SO-40-1 (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

of Containers
 2 Preservation Code
 3 Container Code
 Dissolved Metals Samples
 Field Filtered
 Lab to Filter
 Other Dissolved Metals 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

Arsenic
 PAHs
 SPLP ETPH
 ETPH
 SPLP PCBs
 (Soxhlet) PCBs

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:
<i>[Signature]</i>	7/18/17
Received by: (signature)	Date/Time:
<i>[Signature]</i>	7/18/17
Relinquished by: (signature)	Date/Time:
<i>[Signature]</i>	7/18/17 1700
Received by: (signature)	Date/Time:
<i>[Signature]</i>	7/18/17
Relinquished by: (signature)	Date/Time:
<i>[Signature]</i>	7/18/17
Received by: (signature)	Date/Time:
<i>[Signature]</i>	7/18/17

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 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)

Invoice Recipient: Chris Berthiaume/Will Sirotinak

Sampled By:

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- AOC12W - SO-40-4	7/18/17	13:34		X	S	U
12	WS- AOC12W - SO-37-1		13:38				
13	WS- AOC12W - SO-37-2A		13:30				
14	WS- AOC12W - SO-37-2B		13:32				
15	WS- AOC12W - SO-37-3		13:34				
16	WS- AOC12W - SO-37-4		13:36				
17	WS- AOC12W - SO-38-1		13:46				
18	WS- AOC12W - SO-38-2		13:48				
19	WS- AOC12W - SO-38-3		13:50				
20	WS- AOC12W - SO-38-4		13:52				

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

Retrieved by: (signature)	Date/Time	Detection Limit Requirements
<i>[Signature]</i>	7/18/17	MA
<i>[Signature]</i>	7/18/17 15:00	CT
<i>[Signature]</i>	7/19/17 5:00	Other
<i>[Signature]</i>	7/18/17 12:00	
<i>[Signature]</i>		

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

of Containers
 2 Preservation Code
 3 Container Code
Disinfectant Residues
 Field Filtered
 Lab to Filter
Ortho Phosphate 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

(SOXHT) PCBs
 SPLP PCBs
 ETPH
 SPLP ETPH
 PAHS
 Arsenic

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 7/18/17 Time 1700
 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 - 2.6/2.8
 By Blank # _____ Actual Temp - _____
 Was Custody Seal Intact? N/A Were Samples Tampered with? F
 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.		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: 17G0685

Laboratory Sample ID(s):

Sample Date(s):

17G0685-01 thru 17G0685-20

07/18/2017

List RCP Methods Used:

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:

Lisa Worthington

Position: Project Manager

Printed Name: Lisa A. Worthington

Date: 07/28/17

Name of Laboratory: Con-Test Analytical Laboratory

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

August 3, 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: 17G0774

Enclosed are results of analyses for samples received by the laboratory on July 19, 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: 8/3/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G0774

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-AOC12W-SO-47-1	17G0774-01	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-47-2	17G0774-02	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-47-3	17G0774-03	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-54-1	17G0774-04	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-54-2	17G0774-05	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-54-3	17G0774-06	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-58-1A	17G0774-07	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-58-1B	17G0774-08	Soil		CTDEP ETPH SM 2540G SW-846 6010C-D	
WS-AOC12W-SO-58-2	17G0774-09	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-58-3	17G0774-10	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-64-1A	17G0774-11	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-64-1B	17G0774-12	Soil		CTDEP ETPH SM 2540G SW-846 6010C-D	
WS-AOC12W-SO-64-2	17G0774-13	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-64-3	17G0774-14	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-67-1	17G0774-15	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-67-2	17G0774-16	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-67-3	17G0774-17	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-49-1A	17G0774-18	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: 8/3/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G0774

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-AOC12W-SO-49-1B	17G0774-19	Soil		CTDEP ETPH SM 2540G SW-846 6010C-D SW-846 8270D	
WS-AOC12W-SO-49-2	17G0774-20	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.

For method 6010, only As was requested and reported.

For method 8270, only PAHs were requested and reported.

SW-846 6010C/D SW-846 6020A/B

For NC, Metals methods SW-846 6010D and SW-846 6020B are followed, and for all other states methods SW-846 6010C and SW-846 6020A are followed.

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

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

A handwritten signature in black ink that reads "Tod Kopycinski". The signature is written in a cursive, somewhat stylized script.

Tod E. Kopycinski
Laboratory Director

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: 17G0774

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-47-1

Sampled: 7/19/2017 08:55

Sample ID: 17G0774-01

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	0.10	mg/Kg dry	5		SW-846 8082A	7/25/17	7/27/17 23:15	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/25/17	7/27/17 23:15	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/25/17	7/27/17 23:15	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/25/17	7/27/17 23:15	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/25/17	7/27/17 23:15	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/25/17	7/27/17 23:15	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/25/17	7/27/17 23:15	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/25/17	7/27/17 23:15	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/25/17	7/27/17 23:15	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		76.7	30-150					7/27/17 23:15	
Decachlorobiphenyl [2]		78.6	30-150					7/27/17 23:15	
Tetrachloro-m-xylene [1]		76.2	30-150					7/27/17 23:15	
Tetrachloro-m-xylene [2]		71.1	30-150					7/27/17 23:15	

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: 17G0774

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-47-1

Sampled: 7/19/2017 08:55

Sample ID: 17G0774-01

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	96.6		% Wt	1		SM 2540G	7/26/17	7/27/17 8:21	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: 17G0774

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-47-2

Sampled: 7/19/2017 08:57

Sample ID: 17G0774-02

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	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/27/17 23:33	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/27/17 23:33	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/27/17 23:33	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/27/17 23:33	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/27/17 23:33	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/27/17 23:33	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/27/17 23:33	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/27/17 23:33	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/27/17 23:33	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		60.8	30-150					7/27/17 23:33	
Decachlorobiphenyl [2]		62.2	30-150					7/27/17 23:33	
Tetrachloro-m-xylene [1]		60.6	30-150					7/27/17 23:33	
Tetrachloro-m-xylene [2]		59.1	30-150					7/27/17 23:33	

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: 17G0774

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-47-2

Sampled: 7/19/2017 08:57

Sample ID: 17G0774-02

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.8		% Wt	1		SM 2540G	7/26/17	7/27/17 8:21	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: 17G0774

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-47-3

Sampled: 7/19/2017 08:59

Sample ID: 17G0774-03

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	0.16	mg/Kg dry	5		SW-846 8082A	7/25/17	7/27/17 23:52	TG
Aroclor-1221 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	7/25/17	7/27/17 23:52	TG
Aroclor-1232 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	7/25/17	7/27/17 23:52	TG
Aroclor-1242 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	7/25/17	7/27/17 23:52	TG
Aroclor-1248 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	7/25/17	7/27/17 23:52	TG
Aroclor-1254 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	7/25/17	7/27/17 23:52	TG
Aroclor-1260 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	7/25/17	7/27/17 23:52	TG
Aroclor-1262 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	7/25/17	7/27/17 23:52	TG
Aroclor-1268 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	7/25/17	7/27/17 23:52	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		93.3	30-150					7/27/17 23:52	
Decachlorobiphenyl [2]		97.6	30-150					7/27/17 23:52	
Tetrachloro-m-xylene [1]		93.5	30-150					7/27/17 23:52	
Tetrachloro-m-xylene [2]		86.6	30-150					7/27/17 23:52	

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: 17G0774

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-47-3

Sampled: 7/19/2017 08:59

Sample ID: 17G0774-03

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	60.9		% Wt	1		SM 2540G	7/26/17	7/27/17 8:21	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: 17G0774

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-54-1

Sampled: 7/19/2017 09:24

Sample ID: 17G0774-04

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	0.10	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 0:10	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 0:10	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 0:10	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 0:10	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 0:10	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 0:10	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 0:10	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 0:10	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 0:10	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		105	30-150					7/28/17 0:10	
Decachlorobiphenyl [2]		107	30-150					7/28/17 0:10	
Tetrachloro-m-xylene [1]		103	30-150					7/28/17 0:10	
Tetrachloro-m-xylene [2]		97.1	30-150					7/28/17 0:10	

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: 17G0774

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-54-1

Sampled: 7/19/2017 09:24

Sample ID: 17G0774-04

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	95.7		% Wt	1		SM 2540G	7/26/17	7/27/17 8:21	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: 17G0774

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-54-2

Sampled: 7/19/2017 09:26

Sample ID: 17G0774-05

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	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 0:28	TG
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 0:28	TG
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 0:28	TG
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 0:28	TG
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 0:28	TG
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 0:28	TG
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 0:28	TG
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 0:28	TG
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 0:28	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		71.1	30-150					7/28/17 0:28	
Decachlorobiphenyl [2]		72.1	30-150					7/28/17 0:28	
Tetrachloro-m-xylene [1]		69.2	30-150					7/28/17 0:28	
Tetrachloro-m-xylene [2]		66.2	30-150					7/28/17 0:28	

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: 17G0774

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-54-2

Sampled: 7/19/2017 09:26

Sample ID: 17G0774-05

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	79.5		% Wt	1		SM 2540G	7/26/17	7/27/17 8:21	MRL

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

Sample Description:

Work Order: 17G0774

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-54-3

Sampled: 7/19/2017 09:28

Sample ID: 17G0774-06

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	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 0:46	TG
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 0:46	TG
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 0:46	TG
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 0:46	TG
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 0:46	TG
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 0:46	TG
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 0:46	TG
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 0:46	TG
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 0:46	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.7	30-150					7/28/17 0:46	
Decachlorobiphenyl [2]		85.8	30-150					7/28/17 0:46	
Tetrachloro-m-xylene [1]		82.2	30-150					7/28/17 0:46	
Tetrachloro-m-xylene [2]		78.4	30-150					7/28/17 0:46	

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

Sample Description:

Work Order: 17G0774

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-54-3

Sampled: 7/19/2017 09:28

Sample ID: 17G0774-06

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	78.9		% Wt	1		SM 2540G	7/26/17	7/27/17 8:21	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: 17G0774

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-58-1A

Sampled: 7/19/2017 09:38

Sample ID: 17G0774-07

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	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 1:04	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 1:04	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 1:04	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 1:04	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 1:04	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 1:04	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 1:04	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 1:04	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 1:04	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		93.4	30-150					7/28/17 1:04	
Decachlorobiphenyl [2]		94.7	30-150					7/28/17 1:04	
Tetrachloro-m-xylene [1]		92.2	30-150					7/28/17 1:04	
Tetrachloro-m-xylene [2]		86.5	30-150					7/28/17 1:04	

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: 17G0774

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-58-1A

Sampled: 7/19/2017 09:38

Sample ID: 17G0774-07

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	95.2		% Wt	1		SM 2540G	7/26/17	7/27/17 8:21	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: 17G0774

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-58-1B

Sampled: 7/19/2017 09:39

Sample ID: 17G0774-08

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	58	11	mg/Kg dry	1		CTDEP ETPH	7/26/17	8/3/17 0:29	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	65.0		50-150					8/3/17 0:29	

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: 17G0774

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-58-1B

Sampled: 7/19/2017 09:39

Sample ID: 17G0774-08

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.6	mg/Kg dry	1		SW-846 6010C-D	7/21/17	7/24/17 18:05	QNW

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: 17G0774

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-58-1B

Sampled: 7/19/2017 09:39

Sample ID: 17G0774-08

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	94.9		% Wt	1		SM 2540G	7/26/17	7/27/17 8:21	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: 17G0774

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-58-2

Sampled: 7/19/2017 09:40

Sample ID: 17G0774-09

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	0.12	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 1:22	TG
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 1:22	TG
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 1:22	TG
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 1:22	TG
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 1:22	TG
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 1:22	TG
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 1:22	TG
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 1:22	TG
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 1:22	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		79.9	30-150					7/28/17 1:22	
Decachlorobiphenyl [2]		82.5	30-150					7/28/17 1:22	
Tetrachloro-m-xylene [1]		77.1	30-150					7/28/17 1:22	
Tetrachloro-m-xylene [2]		69.9	30-150					7/28/17 1:22	

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: 17G0774

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-58-2

Sampled: 7/19/2017 09:40

Sample ID: 17G0774-09

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	84.3		% Wt	1		SM 2540G	7/26/17	7/27/17 8:21	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: 17G0774

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-58-3

Sampled: 7/19/2017 09:41

Sample ID: 17G0774-10

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	0.16	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 2:29	TG
Aroclor-1221 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 2:29	TG
Aroclor-1232 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 2:29	TG
Aroclor-1242 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 2:29	TG
Aroclor-1248 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 2:29	TG
Aroclor-1254 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 2:29	TG
Aroclor-1260 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 2:29	TG
Aroclor-1262 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 2:29	TG
Aroclor-1268 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 2:29	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		87.7	30-150					7/28/17 2:29	
Decachlorobiphenyl [2]		87.2	30-150					7/28/17 2:29	
Tetrachloro-m-xylene [1]		86.7	30-150					7/28/17 2:29	
Tetrachloro-m-xylene [2]		82.0	30-150					7/28/17 2:29	

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: 17G0774

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-58-3

Sampled: 7/19/2017 09:41

Sample ID: 17G0774-10

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	62.1		% Wt	1		SM 2540G	7/26/17	7/27/17 8:21	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: 17G0774

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-64-1A

Sampled: 7/19/2017 10:09

Sample ID: 17G0774-11

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	0.10	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 2:48	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 2:48	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 2:48	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 2:48	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 2:48	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 2:48	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 2:48	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 2:48	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 2:48	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		98.1	30-150					7/28/17 2:48	
Decachlorobiphenyl [2]		98.1	30-150					7/28/17 2:48	
Tetrachloro-m-xylene [1]		97.5	30-150					7/28/17 2:48	
Tetrachloro-m-xylene [2]		92.6	30-150					7/28/17 2:48	

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

Sample Description:

Work Order: 17G0774

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-64-1A

Sampled: 7/19/2017 10:09

Sample ID: 17G0774-11

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.9		% Wt	1		SM 2540G	7/26/17	7/27/17 8:21	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: 17G0774

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-64-1B

Sampled: 7/19/2017 10:11

Sample ID: 17G0774-12

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	270	110	mg/Kg dry	10		CTDEP ETPH	7/26/17	8/2/17 22:25	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		93.0	50-150					8/2/17 22:25	

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: 17G0774

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-64-1B

Sampled: 7/19/2017 10:11

Sample ID: 17G0774-12

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	9.1	2.7	mg/Kg dry	1		SW-846 6010C-D	7/21/17	7/24/17 18:05	QNW

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

Sample Description:

Work Order: 17G0774

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-64-1B

Sampled: 7/19/2017 10:11

Sample ID: 17G0774-12

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	91.7		% Wt	1		SM 2540G	7/26/17	7/27/17 8:21	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: 17G0774

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-64-2

Sampled: 7/19/2017 10:13

Sample ID: 17G0774-13

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	0.12	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 3:06	TG
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 3:06	TG
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 3:06	TG
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 3:06	TG
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 3:06	TG
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 3:06	TG
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 3:06	TG
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 3:06	TG
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 3:06	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		93.0	30-150					7/28/17 3:06	
Decachlorobiphenyl [2]		93.3	30-150					7/28/17 3:06	
Tetrachloro-m-xylene [1]		87.8	30-150					7/28/17 3:06	
Tetrachloro-m-xylene [2]		81.0	30-150					7/28/17 3:06	

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

Sample Description:

Work Order: 17G0774

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-64-2

Sampled: 7/19/2017 10:13

Sample ID: 17G0774-13

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	80.6		% Wt	1		SM 2540G	7/26/17	7/27/17 8:21	MRL

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

Sample Description:

Work Order: 17G0774

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-64-3

Sampled: 7/19/2017 10:14

Sample ID: 17G0774-14

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	0.14	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 3:24	TG
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 3:24	TG
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 3:24	TG
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 3:24	TG
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 3:24	TG
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 3:24	TG
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 3:24	TG
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 3:24	TG
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 3:24	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		87.9	30-150					7/28/17 3:24	
Decachlorobiphenyl [2]		89.3	30-150					7/28/17 3:24	
Tetrachloro-m-xylene [1]		83.4	30-150					7/28/17 3:24	
Tetrachloro-m-xylene [2]		80.4	30-150					7/28/17 3:24	

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

Sample Description:

Work Order: 17G0774

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-64-3

Sampled: 7/19/2017 10:14

Sample ID: 17G0774-14

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	69.8		% Wt	1		SM 2540G	7/26/17	7/27/17 8:21	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: 17G0774

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-67-1

Sampled: 7/19/2017 10:16

Sample ID: 17G0774-15

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	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 3:42	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 3:42	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 3:42	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 3:42	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 3:42	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 3:42	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 3:42	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 3:42	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 3:42	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		91.5	30-150					7/28/17 3:42	
Decachlorobiphenyl [2]		92.6	30-150					7/28/17 3:42	
Tetrachloro-m-xylene [1]		88.1	30-150					7/28/17 3:42	
Tetrachloro-m-xylene [2]		83.7	30-150					7/28/17 3:42	

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

Sample Description:

Work Order: 17G0774

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-67-1

Sampled: 7/19/2017 10:16

Sample ID: 17G0774-15

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.8		% Wt	1		SM 2540G	7/26/17	7/27/17 8:21	MRL

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

Sample Description:

Work Order: 17G0774

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-67-2

Sampled: 7/19/2017 10:17

Sample ID: 17G0774-16

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	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 4:00	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 4:00	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 4:00	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 4:00	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 4:00	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 4:00	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 4:00	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 4:00	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 4:00	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		93.6	30-150					7/28/17 4:00	
Decachlorobiphenyl [2]		93.9	30-150					7/28/17 4:00	
Tetrachloro-m-xylene [1]		87.9	30-150					7/28/17 4:00	
Tetrachloro-m-xylene [2]		79.6	30-150					7/28/17 4:00	

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

Sample Description:

Work Order: 17G0774

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-67-2

Sampled: 7/19/2017 10:17

Sample ID: 17G0774-16

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.9		% Wt	1		SM 2540G	7/26/17	7/27/17 8:21	MRL

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

Sample Description:

Work Order: 17G0774

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-67-3

Sampled: 7/19/2017 10:18

Sample ID: 17G0774-17

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	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 4:18	TG
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 4:18	TG
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 4:18	TG
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 4:18	TG
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 4:18	TG
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 4:18	TG
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 4:18	TG
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 4:18	TG
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 4:18	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		61.1	30-150					7/28/17 4:18	
Decachlorobiphenyl [2]		62.6	30-150					7/28/17 4:18	
Tetrachloro-m-xylene [1]		58.0	30-150					7/28/17 4:18	
Tetrachloro-m-xylene [2]		55.8	30-150					7/28/17 4:18	

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: 17G0774

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-67-3

Sampled: 7/19/2017 10:18

Sample ID: 17G0774-17

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	78.2		% Wt	1		SM 2540G	7/26/17	7/27/17 8:21	MRL

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

Sample Description:

Work Order: 17G0774

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-49-1A

Sampled: 7/19/2017 10:41

Sample ID: 17G0774-18

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	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 4:36	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 4:36	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 4:36	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 4:36	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 4:36	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 4:36	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 4:36	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 4:36	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 4:36	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		78.8	30-150					7/28/17 4:36	
Decachlorobiphenyl [2]		81.3	30-150					7/28/17 4:36	
Tetrachloro-m-xylene [1]		86.0	30-150					7/28/17 4:36	
Tetrachloro-m-xylene [2]		82.1	30-150					7/28/17 4:36	

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: 17G0774

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-49-1A

Sampled: 7/19/2017 10:41

Sample ID: 17G0774-18

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	94.7		% Wt	1		SM 2540G	7/26/17	7/27/17 8:21	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: 17G0774

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-49-1B

Sampled: 7/19/2017 10:42

Sample ID: 17G0774-19

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	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 22:03	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 22:03	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 22:03	BGL
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 22:03	BGL
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 22:03	BGL
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 22:03	BGL
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 22:03	BGL
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 22:03	BGL
Chrysene	0.40	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 22:03	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 22:03	BGL
Fluoranthene	0.24	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 22:03	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 22:03	BGL
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 22:03	BGL
2-Methylnaphthalene	0.34	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 22:03	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 22:03	BGL
Phenanthrene	0.66	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 22:03	BGL
Pyrene	0.27	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 22:03	BGL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Nitrobenzene-d5		48.6	30-130					7/28/17 22:03	
2-Fluorobiphenyl		41.7	30-130					7/28/17 22:03	
p-Terphenyl-d14		51.1	30-130					7/28/17 22:03	

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

Sample Description:

Work Order: 17G0774

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-49-1B

Sampled: 7/19/2017 10:42

Sample ID: 17G0774-19

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	290	110	mg/Kg dry	10		CTDEP ETPH	7/26/17	8/3/17 11:54	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	51.2		50-150					8/3/17 11:54	

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

Sample Description:

Work Order: 17G0774

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-49-1B

Sampled: 7/19/2017 10:42

Sample ID: 17G0774-19

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	16	2.7	mg/Kg dry	1		SW-846 6010C-D	7/21/17	7/24/17 18:05	QNW

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

Sample Description:

Work Order: 17G0774

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-49-1B

Sampled: 7/19/2017 10:42

Sample ID: 17G0774-19

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	89.5		% Wt	1		SM 2540G	7/26/17	7/27/17 8:21	MRL

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

Sample Description:

Work Order: 17G0774

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-49-2

Sampled: 7/19/2017 10:43

Sample ID: 17G0774-20

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	0.12	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 4:55	TG
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 4:55	TG
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 4:55	TG
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 4:55	TG
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 4:55	TG
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 4:55	TG
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 4:55	TG
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 4:55	TG
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 4:55	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		90.2	30-150					7/28/17 4:55	
Decachlorobiphenyl [2]		90.8	30-150					7/28/17 4:55	
Tetrachloro-m-xylene [1]		87.6	30-150					7/28/17 4:55	
Tetrachloro-m-xylene [2]		79.1	30-150					7/28/17 4:55	

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

Sample Description:

Work Order: 17G0774

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-49-2

Sampled: 7/19/2017 10:43

Sample ID: 17G0774-20

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	85.1		% Wt	1		SM 2540G	7/26/17	7/27/17 8:21	MRL

Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0774-08 [WS-AOC12W-SO-58-1B]	B182589	30.0	1.00	07/26/17
17G0774-12 [WS-AOC12W-SO-64-1B]	B182589	30.0	1.00	07/26/17
17G0774-19 [WS-AOC12W-SO-49-1B]	B182589	30.0	1.00	07/26/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17G0774-01 [WS-AOC12W-SO-47-1]	B182552	07/26/17
17G0774-02 [WS-AOC12W-SO-47-2]	B182552	07/26/17
17G0774-03 [WS-AOC12W-SO-47-3]	B182552	07/26/17
17G0774-04 [WS-AOC12W-SO-54-1]	B182552	07/26/17
17G0774-05 [WS-AOC12W-SO-54-2]	B182552	07/26/17
17G0774-06 [WS-AOC12W-SO-54-3]	B182552	07/26/17
17G0774-07 [WS-AOC12W-SO-58-1A]	B182552	07/26/17
17G0774-08 [WS-AOC12W-SO-58-1B]	B182552	07/26/17
17G0774-09 [WS-AOC12W-SO-58-2]	B182552	07/26/17
17G0774-10 [WS-AOC12W-SO-58-3]	B182552	07/26/17
17G0774-11 [WS-AOC12W-SO-64-1A]	B182552	07/26/17
17G0774-12 [WS-AOC12W-SO-64-1B]	B182552	07/26/17
17G0774-13 [WS-AOC12W-SO-64-2]	B182552	07/26/17
17G0774-14 [WS-AOC12W-SO-64-3]	B182552	07/26/17
17G0774-15 [WS-AOC12W-SO-67-1]	B182552	07/26/17
17G0774-16 [WS-AOC12W-SO-67-2]	B182552	07/26/17
17G0774-17 [WS-AOC12W-SO-67-3]	B182552	07/26/17
17G0774-18 [WS-AOC12W-SO-49-1A]	B182552	07/26/17
17G0774-19 [WS-AOC12W-SO-49-1B]	B182552	07/26/17
17G0774-20 [WS-AOC12W-SO-49-2]	B182552	07/26/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0774-08 [WS-AOC12W-SO-58-1B]	B182194	1.01	50.0	07/21/17
17G0774-12 [WS-AOC12W-SO-64-1B]	B182194	1.02	50.0	07/21/17
17G0774-19 [WS-AOC12W-SO-49-1B]	B182194	1.05	50.0	07/21/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0774-01 [WS-AOC12W-SO-47-1]	B182503	10.0	10.0	07/25/17
17G0774-02 [WS-AOC12W-SO-47-2]	B182503	10.0	10.0	07/25/17
17G0774-03 [WS-AOC12W-SO-47-3]	B182503	10.0	10.0	07/25/17
17G0774-04 [WS-AOC12W-SO-54-1]	B182503	10.0	10.0	07/25/17
17G0774-05 [WS-AOC12W-SO-54-2]	B182503	10.0	10.0	07/25/17
17G0774-06 [WS-AOC12W-SO-54-3]	B182503	10.0	10.0	07/25/17
17G0774-07 [WS-AOC12W-SO-58-1A]	B182503	10.0	10.0	07/25/17
17G0774-09 [WS-AOC12W-SO-58-2]	B182503	10.0	10.0	07/25/17
17G0774-10 [WS-AOC12W-SO-58-3]	B182503	10.0	10.0	07/25/17
17G0774-11 [WS-AOC12W-SO-64-1A]	B182503	10.0	10.0	07/25/17
17G0774-13 [WS-AOC12W-SO-64-2]	B182503	10.0	10.0	07/25/17
17G0774-14 [WS-AOC12W-SO-64-3]	B182503	10.0	10.0	07/25/17
17G0774-15 [WS-AOC12W-SO-67-1]	B182503	10.0	10.0	07/25/17

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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
17G0774-16 [WS-AOC12W-SO-67-2]	B182503	10.0	10.0	07/25/17
17G0774-17 [WS-AOC12W-SO-67-3]	B182503	10.0	10.0	07/25/17
17G0774-18 [WS-AOC12W-SO-49-1A]	B182503	10.0	10.0	07/25/17
17G0774-20 [WS-AOC12W-SO-49-2]	B182503	10.0	10.0	07/25/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0774-19 [WS-AOC12W-SO-49-1B]	B182604	30.0	1.00	07/26/17

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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 B182604 - SW-846 3546										
Blank (B182604-BLK1)										
Prepared: 07/26/17 Analyzed: 07/27/17										
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	2.42		mg/Kg wet	3.33		72.6	30-130			
Surrogate: 2-Fluorobiphenyl	2.38		mg/Kg wet	3.33		71.4	30-130			
Surrogate: p-Terphenyl-d14	2.72		mg/Kg wet	3.33		81.5	30-130			
LCS (B182604-BS1)										
Prepared: 07/26/17 Analyzed: 07/27/17										
Acenaphthene	0.860	0.17	mg/Kg wet	1.67		51.6	40-140			
Acenaphthylene	0.832	0.17	mg/Kg wet	1.67		49.9	40-140			
Anthracene	0.914	0.17	mg/Kg wet	1.67		54.8	40-140			
Benzo(a)anthracene	0.935	0.17	mg/Kg wet	1.67		56.1	40-140			
Benzo(a)pyrene	0.940	0.17	mg/Kg wet	1.67		56.4	40-140			
Benzo(b)fluoranthene	0.852	0.17	mg/Kg wet	1.67		51.1	40-140			
Benzo(g,h,i)perylene	1.11	0.17	mg/Kg wet	1.67		66.4	40-140			
Benzo(k)fluoranthene	0.863	0.17	mg/Kg wet	1.67		51.8	40-140			
Chrysene	0.934	0.17	mg/Kg wet	1.67		56.0	40-140			
Dibenz(a,h)anthracene	1.03	0.17	mg/Kg wet	1.67		61.8	40-140			
Fluoranthene	0.889	0.17	mg/Kg wet	1.67		53.3	40-140			
Fluorene	0.876	0.17	mg/Kg wet	1.67		52.6	40-140			
Indeno(1,2,3-cd)pyrene	0.984	0.17	mg/Kg wet	1.67		59.1	40-140			
2-Methylnaphthalene	0.851	0.17	mg/Kg wet	1.67		51.0	40-140			
Naphthalene	0.836	0.17	mg/Kg wet	1.67		50.1	40-140			
Phenanthrene	0.915	0.17	mg/Kg wet	1.67		54.9	40-140			
Pyrene	0.887	0.17	mg/Kg wet	1.67		53.2	40-140			
Surrogate: Nitrobenzene-d5	1.92		mg/Kg wet	3.33		57.6	30-130			
Surrogate: 2-Fluorobiphenyl	1.93		mg/Kg wet	3.33		57.9	30-130			
Surrogate: p-Terphenyl-d14	2.13		mg/Kg wet	3.33		63.8	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 B182604 - SW-846 3546										
LCS Dup (B182604-BSD1)										
					Prepared: 07/26/17 Analyzed: 07/27/17					
Acenaphthene	1.04	0.17	mg/Kg wet	1.67		62.7	40-140	19.3	30	
Acenaphthylene	1.02	0.17	mg/Kg wet	1.67		61.1	40-140	20.0	30	
Anthracene	1.12	0.17	mg/Kg wet	1.67		67.1	40-140	20.1	30	
Benzo(a)anthracene	1.13	0.17	mg/Kg wet	1.67		68.0	40-140	19.2	30	
Benzo(a)pyrene	1.12	0.17	mg/Kg wet	1.67		66.9	40-140	17.1	30	
Benzo(b)fluoranthene	1.01	0.17	mg/Kg wet	1.67		60.8	40-140	17.2	30	
Benzo(g,h,i)perylene	1.35	0.17	mg/Kg wet	1.67		81.1	40-140	20.0	30	
Benzo(k)fluoranthene	1.04	0.17	mg/Kg wet	1.67		62.3	40-140	18.4	30	
Chrysene	1.11	0.17	mg/Kg wet	1.67		66.7	40-140	17.4	30	
Dibenz(a,h)anthracene	1.26	0.17	mg/Kg wet	1.67		75.9	40-140	20.4	30	
Fluoranthene	1.11	0.17	mg/Kg wet	1.67		66.8	40-140	22.5	30	
Fluorene	1.06	0.17	mg/Kg wet	1.67		63.6	40-140	19.0	30	
Indeno(1,2,3-cd)pyrene	1.27	0.17	mg/Kg wet	1.67		76.0	40-140	25.1	30	
2-Methylnaphthalene	1.04	0.17	mg/Kg wet	1.67		62.4	40-140	20.1	30	
Naphthalene	1.01	0.17	mg/Kg wet	1.67		60.5	40-140	18.8	30	
Phenanthrene	1.10	0.17	mg/Kg wet	1.67		66.2	40-140	18.7	30	
Pyrene	1.12	0.17	mg/Kg wet	1.67		67.2	40-140	23.2	30	
Surrogate: Nitrobenzene-d5	2.33		mg/Kg wet	3.33		70.0	30-130			
Surrogate: 2-Fluorobiphenyl	2.33		mg/Kg wet	3.33		69.9	30-130			
Surrogate: p-Terphenyl-d14	2.60		mg/Kg wet	3.33		78.0	30-130			

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 B182503 - SW-846 3540C										
Blank (B182503-BLK1)										
Prepared: 07/25/17 Analyzed: 07/26/17										
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	0.160		mg/Kg wet	0.200		80.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.179		mg/Kg wet	0.200		89.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.163		mg/Kg wet	0.200		81.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.172		mg/Kg wet	0.200		86.2	30-150			
LCS (B182503-BS1)										
Prepared: 07/25/17 Analyzed: 07/26/17										
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		78.6	40-140			
Aroclor-1016 [2C]	0.16	0.020	mg/Kg wet	0.200		79.5	40-140			
Aroclor-1260	0.14	0.020	mg/Kg wet	0.200		68.2	40-140			
Aroclor-1260 [2C]	0.14	0.020	mg/Kg wet	0.200		72.4	40-140			
Surrogate: Decachlorobiphenyl	0.168		mg/Kg wet	0.200		83.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.186		mg/Kg wet	0.200		93.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.169		mg/Kg wet	0.200		84.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.178		mg/Kg wet	0.200		89.1	30-150			
LCS Dup (B182503-BSD1)										
Prepared: 07/25/17 Analyzed: 07/26/17										
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		84.6	40-140	7.38	30	
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		85.9	40-140	7.78	30	
Aroclor-1260	0.14	0.020	mg/Kg wet	0.200		72.2	40-140	5.72	30	
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		77.0	40-140	6.14	30	
Surrogate: Decachlorobiphenyl	0.169		mg/Kg wet	0.200		84.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.186		mg/Kg wet	0.200		93.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.172		mg/Kg wet	0.200		86.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.180		mg/Kg wet	0.200		90.2	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 B182503 - SW-846 3540C

Matrix Spike (B182503-MS1)

Source: 17G0774-04

Prepared: 07/25/17 Analyzed: 07/28/17

Aroclor-1016	0.23	0.10	mg/Kg dry	0.209	ND	112	40-140			
Aroclor-1016 [2C]	0.24	0.10	mg/Kg dry	0.209	ND	116	40-140			
Aroclor-1260	0.22	0.10	mg/Kg dry	0.209	ND	106	40-140			
Aroclor-1260 [2C]	0.23	0.10	mg/Kg dry	0.209	ND	110	40-140			
Surrogate: Decachlorobiphenyl	0.213		mg/Kg dry	0.209		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.217		mg/Kg dry	0.209		104	30-150			
Surrogate: Tetrachloro-m-xylene	0.205		mg/Kg dry	0.209		98.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.191		mg/Kg dry	0.209		91.2	30-150			

Matrix Spike Dup (B182503-MSD1)

Source: 17G0774-04

Prepared: 07/25/17 Analyzed: 07/28/17

Aroclor-1016	0.24	0.10	mg/Kg dry	0.209	ND	113	40-140	1.35	50	
Aroclor-1016 [2C]	0.25	0.10	mg/Kg dry	0.209	ND	121	40-140	4.95	50	
Aroclor-1260	0.23	0.10	mg/Kg dry	0.209	ND	110	40-140	4.01	50	
Aroclor-1260 [2C]	0.24	0.10	mg/Kg dry	0.209	ND	115	40-140	4.92	50	
Surrogate: Decachlorobiphenyl	0.216		mg/Kg dry	0.209		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.222		mg/Kg dry	0.209		106	30-150			
Surrogate: Tetrachloro-m-xylene	0.206		mg/Kg dry	0.209		98.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.194		mg/Kg dry	0.209		92.6	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 B182589 - SW-846 3546										
Blank (B182589-BLK1)					Prepared: 07/26/17 Analyzed: 07/27/17					
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	3.17		mg/Kg wet	3.33		95.1	50-150			
LCS (B182589-BS1)					Prepared: 07/26/17 Analyzed: 07/27/17					
CT ETPH	32.7	10	mg/Kg wet	33.3		98.1	60-120			
Surrogate: o-Terphenyl	2.50		mg/Kg wet	3.33		75.1	50-150			
LCS Dup (B182589-BSD1)					Prepared: 07/26/17 Analyzed: 07/27/17					
CT ETPH	29.7	10	mg/Kg wet	33.3		89.0	60-120	9.67	30	
Surrogate: o-Terphenyl	2.58		mg/Kg wet	3.33		77.4	50-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B182194 - SW-846 3050B										
Blank (B182194-BLK1)										
					Prepared: 07/21/17 Analyzed: 07/24/17					
Arsenic	ND	2.5	mg/Kg wet							
LCS (B182194-BS1)										
					Prepared: 07/21/17 Analyzed: 07/24/17					
Arsenic	51.6	5.0	mg/Kg wet	57.0		90.5	77.8-122.1			
LCS Dup (B182194-BSD1)										
					Prepared: 07/21/17 Analyzed: 07/24/17					
Arsenic	51.2	4.9	mg/Kg wet	57.0		89.9	77.8-122.1	0.723	30	

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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 B182552 - % Solids										
Duplicate (B182552-DUP1)	Source: 17G0774-01			Prepared: 07/26/17 Analyzed: 07/27/17						
% Solids	96.1		% Wt			96.6		0.519	20	
Duplicate (B182552-DUP2)	Source: 17G0774-04			Prepared: 07/26/17 Analyzed: 07/27/17						
% Solids	95.2		% Wt			95.7		0.524	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.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
SW-846 6010C-D in Soil	
Arsenic	CT,NH,NY,ME,VA,NC
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

39 Spruce Street
East Longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

1760774

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
 5-day
 Other: Rush Approval Required
 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
	WS-ACC12W-50-47-1	7/19/17	8:55		X	S	U
	WS-ACC12W-50-47-2	7/19/17	8:57				
	WS-ACC12W-50-47-3		8:59				
	WS-ACC12W-50-54-1 (MS-MSD)		9:24				
	WS-ACC12W-50-54-2		9:26				
	WS-ACC12W-50-54-3		9:28				
	WS-ACC12W-50-58-1A		9:38				
	WS-ACC12W-50-58-1B		9:39				
	WS-ACC12W-50-58-2		9:40				
	WS-ACC12W-50-58-3		9:41				

Comments: WS-ACC12W-50-54-1 (MS-MSD)
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>	7/19/17 1530	MA
Received by: (signature) <i>Tom Maw</i>	7/19/17 1530	
Relinquished by: (signature)		RES DEC
Received by: (signature) <i>Tom Maw</i>	7/19/17 1740	
Relinquished by: (signature)		
Received by: (signature)		

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

of Containers: _____
 2 Preservation Code: _____
 3 Container Code: _____
 ANALYSIS REQUESTED:
 Arsenic
 SPLP ETPH
 ETPH
 PAHs
 SPLP PCBs
 (Soxhlet) PCBs

- 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) _____

1760774

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
Robt-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
	WS-A0C12W-SO-64-1A	7/19/17	10:09		X	S	U
	WS-A0C12W-SO-64-1B		10:11				
	WS-A0C12W-SO-64-2		10:13				
	WS-A0C12W-SO-64-3		10:14				
	WS-A0C12W-SO-67-1		10:16				
	WS-A0C12W-SO-67-2		10:17				
	WS-A0C12W-SO-67-3		10:18				
	WS-A0C12W-SO-49-1A		10:41				
	WS-A0C12W-SO-49-1B		10:42				
	WS-A0C12W-SO-49-2		10:43				

ANALYSIS REQUESTED

SPLP PCBs
(Soxhlet) PCBs
PAHs
ETPH
Arsenic
SPLP ETPH

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

Program Information

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

NELAC and AIHA-LAP, LLC Accredited

Comments:
Please hold excess volumes for possible SPLP analyses.

Relinquished by: (signature)	Date/Time:	Detection Limit Requirements
<i>[Signature]</i>	7/19/17 0330	WA
Received by: (signature)	Date/Time:	
<i>[Signature]</i>	7/19/17 0530	
Relinquished by: (signature)	Date/Time:	
<i>[Signature]</i>	7/19/17 0700	RES DEC
Received by: (signature)	Date/Time:	
<i>[Signature]</i>	7/19/17 1740	Other
Relinquished by: (signature)	Date/Time:	
<i>[Signature]</i>	7/19/17 1740	
Received by: (signature)	Date/Time:	
<i>[Signature]</i>		

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 7/19/17 Time 1740

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

Were samples within Temperature? 2-6°C T By Gun # 2 Actual Temp - 3.4, 2.9, 4.1
 By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? N/A Were Samples Tampered with? F
 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? T
 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 Acid _____ Base _____
 Do all samples have the proper pH? N/A

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-	<u>20</u>	500 mL Amb.		500 mL Plastic	8oz Amb/Clear <u>22</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:\HPCHEM1\DATA\A080217\A0802052.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/2/17
 Data File Name A0802052.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.07	389057	424164	-8
c - 10	1.43	379037	424164	-11
c - 12	2.16	405194	424164	-4
c - 14	2.84	416545	424164	-2
c - 16	3.44	430703	424164	2
c - 18	4.02	429130	424164	1
o-Terphenyl	4.31	496417	424164	
c - 20	4.63	438816	424164	3
c - 22	5.15	447046	424164	5
c - 24	5.60	417947	424164	-1
c - 26	6.00	445598	424164	5
c - 28	6.36	441275	424164	4
c - 30	6.69	439402	424164	4
c - 32	7.00	429465	424164	1
c - 34	7.30	427962	424164	1
c - 36	7.58	425281	424164	0

* One compound allowed %D <= 50%

Samples

17G0912-08
 17G0932-01
 17G0932-02
 17G0932-05
 17G0911-14
 17G0911-15
 17G0932-03

D:\HPCHEM\1\DATA\A080217\A0802086.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/2/17
 Data File Name A0802086.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	%D +/- 20
c - 9	1.07	384056	421351	-9
c - 10	1.43	374286	421351	-11
c - 12	2.17	396009	421351	-6
c - 14	2.84	413660	421351	-2
c - 16	3.44	426881	421351	1
c - 18	4.02	425337	421351	1
o-Terphenyl	4.31	491103	421351	
c - 20	4.63	435935	421351	3
c - 22	5.15	444516	421351	5
c - 24	5.60	418309	421351	-1
c - 26	6.00	444009	421351	5
c - 28	6.36	440050	421351	4
c - 30	6.69	439368	421351	4
c - 32	7.00	428360	421351	2
c - 34	7.30	426707	421351	1
c - 36	7.58	422783	421351	0

* One compound allowed %D <= 50%

Samples

17G1043-01
 17G1043-02
 17G1043-03
 17G1077-07
 17G0774-12@10X
 17G0774-18@10X
 17G0776-17@20X
 17G0867-05
 17G0774-18
 17G0911-15@5X
 17G0911-20@5X
 17G0911-13@5X
 17G0911-17@5X

D:\HPCHEM\1\DATA\A080217\A0802142.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/3/17
 Data File Name A0802142.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	***D +/- 20
c - 9	1.07	452530	495049	-9
c - 10	1.42	444292	495049	-10
c - 12	2.16	467152	495049	-6
c - 14	2.83	487205	495049	-2
c - 16	3.43	501083	495049	1
c - 18	4.02	498005	495049	1
o-Terphenyl	4.30	578868	495049	
c - 20	4.63	510389	495049	3
c - 22	5.15	520281	495049	5
c - 24	5.60	489573	495049	-1
c - 26	5.99	520841	495049	5
c - 28	6.36	515925	495049	4
c - 30	6.69	514552	495049	4
c - 32	7.00	503320	495049	2
c - 34	7.29	502383	495049	1
c - 36	7.58	498204	495049	1

* One compound allowed %D <= 50%

Samples

17G1045-01
 17G1045-03
 17G1045-04

D:\HPCHEM\1\DATA\A080217.SEC\A0802053.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/2/17
 Data File Name A0802053.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.14	359815	380451	-5
c - 10	1.50	352547	380451	-7
c - 12	2.22	374391	380451	-2
c - 14	2.89	384612	380451	1
c - 16	3.48	394076	380451	4
c - 18	4.05	388606	380451	2
o-Terphenyl	4.36	444826	380451	
c - 20	4.67	393700	380451	3
c - 22	5.18	398363	380451	5
c - 24	5.62	371023	380451	-2
c - 26	6.01	389982	380451	3
c - 28	6.37	384491	380451	1
c - 30	6.70	383606	380451	1
c - 32	7.01	375705	380451	-1
c - 34	7.30	377889	380451	-1
c - 36	7.58	377960	380451	-1

* One compound allowed %D <= 50%

Samples

17G0683-12@20X
 17G0774-04@10X

D:\HPCHEM\1\DATA\A080217.SEC\A080293.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/2/17
 Data File Name A080293.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.14	363192	388257	-6
c - 10	1.49	353450	388257	-9
c - 12	2.23	378033	388257	-3
c - 14	2.89	391251	388257	1
c - 16	3.48	401490	388257	3
c - 18	4.05	397496	388257	2
o-Terphenyl	4.36	454898	388257	
c - 20	4.66	404130	388257	4
c - 22	5.18	408473	388257	5
c - 24	5.62	379630	388257	-2
c - 26	6.01	399141	388257	3
c - 28	6.37	392867	388257	1
c - 30	6.70	393552	388257	1
c - 32	7.01	386366	388257	0
c - 34	7.30	387490	388257	0
c - 36	7.58	387297	388257	0

* One compound allowed %D <= 50%

Samples

17G1059-01@5X
 17G0865-14@5X
 17G0866-14@5X
 17G1077-03
 17G1079-06
 17G1048-01@50X
 17G0911-16@20X
 17G0913-08@50X



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: 17G0774

Laboratory Sample ID(s):

Sample Date(s):

17G0774-01 thru 17G0774-20

07/19/2017

List RCP Methods Used:

CTDEP ETPH, SW-846 6010C-D, 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 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 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:

Tod Kopyscinski

Position: Laboratory Director

Printed Name: Tod E. Kopyscinski

Date: 08/03/17

Name of Laboratory: Con-Test Analytical Laboratory

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

August 3, 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: 17G0775

Enclosed are results of analyses for samples received by the laboratory on July 19, 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: 8/3/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G0775

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-AOC12W-SO-49-3	17G0775-01	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-71-1	17G0775-02	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-71-2	17G0775-03	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-71-3	17G0775-04	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-52-1	17G0775-05	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-52-2	17G0775-06	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-52-3	17G0775-07	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-56-1A	17G0775-08	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-56-1B	17G0775-09	Soil		SM 2540G SW-846 8270D	
WS-AOC12W-SO-56-2	17G0775-10	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-56-3	17G0775-11	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-75-2A	17G0775-12	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-75-2B	17G0775-13	Soil		CTDEP ETPH SM 2540G SW-846 6010C-D SW-846 8270D	
WS-AOC12W-SO-75-1	17G0775-14	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-75-3	17G0775-15	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-75-4	17G0775-16	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-60-1A	17G0775-17	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-60-1B	17G0775-18	Soil		CTDEP ETPH SM 2540G SW-846 6010C-D SW-846 8270D	

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

REPORT DATE: 8/3/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G0775

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-AOC12W-SO-60-2	17G0775-19	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-60-3	17G0775-20	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.

For method 6010, only As was requested and reported.

For method 8270, only PAHs were requested and reported.

CTDEP ETPH**Qualifications:****MS-12**

Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a high bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

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

17G0775-18[WS-AOC12W-SO-60-1B], B182589-MS1, B182589-MSD1

SW-846 6010C-D**Qualifications:****R-02**

Duplicate RPD is outside of control limits. Outlier can be attributed to sample non-homogeneity encountered during sample prep.

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

17G0775-18[WS-AOC12W-SO-60-1B], B182194-DUP1

SW-846 6010C/D SW-846 6020A/B

For NC, Metals methods SW-846 6010D and SW-846 6020B are followed, and for all other states methods SW-846 6010C and SW-846 6020A are followed.

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

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



Lisa A. Worthington
Project Manager

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

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

Sample Description:

Work Order: 17G0775

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-49-3

Sampled: 7/19/2017 10:44

Sample ID: 17G0775-01

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	0.14	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 15:05	TG
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 15:05	TG
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 15:05	TG
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 15:05	TG
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 15:05	TG
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 15:05	TG
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 15:05	TG
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 15:05	TG
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 15:05	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		74.6	30-150					7/28/17 15:05	
Decachlorobiphenyl [2]		80.8	30-150					7/28/17 15:05	
Tetrachloro-m-xylene [1]		82.8	30-150					7/28/17 15:05	
Tetrachloro-m-xylene [2]		83.5	30-150					7/28/17 15:05	

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

Sample Description:

Work Order: 17G0775

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-49-3

Sampled: 7/19/2017 10:44

Sample ID: 17G0775-01

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	72.7		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0775

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-71-1

Sampled: 7/19/2017 10:56

Sample ID: 17G0775-02

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	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 15:23	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 15:23	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 15:23	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 15:23	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 15:23	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 15:23	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 15:23	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 15:23	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 15:23	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		51.0	30-150					7/28/17 15:23	
Decachlorobiphenyl [2]		56.4	30-150					7/28/17 15:23	
Tetrachloro-m-xylene [1]		58.0	30-150					7/28/17 15:23	
Tetrachloro-m-xylene [2]		58.6	30-150					7/28/17 15:23	

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

Sample Description:

Work Order: 17G0775

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-71-1

Sampled: 7/19/2017 10:56

Sample ID: 17G0775-02

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.2		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0775

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-71-2

Sampled: 7/19/2017 10:58

Sample ID: 17G0775-03

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	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 15:41	TG
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 15:41	TG
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 15:41	TG
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 15:41	TG
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 15:41	TG
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 15:41	TG
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 15:41	TG
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 15:41	TG
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 15:41	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		77.1	30-150					7/28/17 15:41	
Decachlorobiphenyl [2]		85.3	30-150					7/28/17 15:41	
Tetrachloro-m-xylene [1]		83.6	30-150					7/28/17 15:41	
Tetrachloro-m-xylene [2]		85.8	30-150					7/28/17 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: 17G0775

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-71-2

Sampled: 7/19/2017 10:58

Sample ID: 17G0775-03

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	78.4		% Wt	1		SM 2540G	7/26/17	7/27/17 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: 17G0775

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-71-3

Sampled: 7/19/2017 11:00

Sample ID: 17G0775-04

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	5		SW-846 8082A	7/25/17	7/28/17 15:59	TG
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 15:59	TG
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 15:59	TG
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 15:59	TG
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 15:59	TG
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 15:59	TG
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 15:59	TG
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 15:59	TG
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 15:59	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		80.6	30-150					7/28/17 15:59	
Decachlorobiphenyl [2]		87.8	30-150					7/28/17 15:59	
Tetrachloro-m-xylene [1]		85.5	30-150					7/28/17 15:59	
Tetrachloro-m-xylene [2]		88.2	30-150					7/28/17 15:59	

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

Sample Description:

Work Order: 17G0775

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-71-3

Sampled: 7/19/2017 11:00

Sample ID: 17G0775-04

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	74.7		% Wt	1		SM 2540G	7/26/17	7/27/17 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: 17G0775

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-52-1

Sampled: 7/19/2017 11:01

Sample ID: 17G0775-05

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	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 16:16	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 16:16	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 16:16	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 16:16	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 16:16	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 16:16	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 16:16	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 16:16	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 16:16	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		80.5	30-150					7/28/17 16:16	
Decachlorobiphenyl [2]		87.6	30-150					7/28/17 16:16	
Tetrachloro-m-xylene [1]		83.0	30-150					7/28/17 16:16	
Tetrachloro-m-xylene [2]		84.4	30-150					7/28/17 16:16	

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: 17G0775

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-52-1

Sampled: 7/19/2017 11:01

Sample ID: 17G0775-05

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.1		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0775

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-52-2

Sampled: 7/19/2017 11:02

Sample ID: 17G0775-06

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	5		SW-846 8082A	7/25/17	7/28/17 16:34	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 16:34	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 16:34	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 16:34	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 16:34	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 16:34	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 16:34	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 16:34	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 16:34	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		77.3	30-150					7/28/17 16:34	
Decachlorobiphenyl [2]		84.5	30-150					7/28/17 16:34	
Tetrachloro-m-xylene [1]		83.4	30-150					7/28/17 16:34	
Tetrachloro-m-xylene [2]		82.8	30-150					7/28/17 16:34	

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: 17G0775

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-52-2

Sampled: 7/19/2017 11:02

Sample ID: 17G0775-06

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.1		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0775

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-52-3

Sampled: 7/19/2017 11:03

Sample ID: 17G0775-07

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	5		SW-846 8082A	7/25/17	7/28/17 16:52	TG
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 16:52	TG
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 16:52	TG
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 16:52	TG
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 16:52	TG
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 16:52	TG
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 16:52	TG
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 16:52	TG
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 16:52	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		66.2	30-150					7/28/17 16:52	
Decachlorobiphenyl [2]		71.7	30-150					7/28/17 16:52	
Tetrachloro-m-xylene [1]		69.1	30-150					7/28/17 16:52	
Tetrachloro-m-xylene [2]		72.3	30-150					7/28/17 16:52	

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: 17G0775

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-52-3

Sampled: 7/19/2017 11:03

Sample ID: 17G0775-07

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	71.0		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0775

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-56-1A

Sampled: 7/19/2017 11:15

Sample ID: 17G0775-08

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	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 17:10	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 17:10	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 17:10	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 17:10	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 17:10	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 17:10	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 17:10	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 17:10	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 17:10	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		86.3	30-150					7/28/17 17:10	
Decachlorobiphenyl [2]		94.7	30-150					7/28/17 17:10	
Tetrachloro-m-xylene [1]		92.7	30-150					7/28/17 17:10	
Tetrachloro-m-xylene [2]		94.8	30-150					7/28/17 17:10	

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

Sample Description:

Work Order: 17G0775

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-56-1A

Sampled: 7/19/2017 11:15

Sample ID: 17G0775-08

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.7		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0775

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-56-1B

Sampled: 7/19/2017 11:16

Sample ID: 17G0775-09

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	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 22:26	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 22:26	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 22:26	BGL
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 22:26	BGL
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 22:26	BGL
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 22:26	BGL
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 22:26	BGL
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 22:26	BGL
Chrysene	0.55	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 22:26	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 22:26	BGL
Fluoranthene	0.22	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 22:26	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 22:26	BGL
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 22:26	BGL
2-Methylnaphthalene	0.36	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 22:26	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 22:26	BGL
Phenanthrene	0.64	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 22:26	BGL
Pyrene	0.27	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 22:26	BGL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Nitrobenzene-d5		49.1	30-130					7/28/17 22:26	
2-Fluorobiphenyl		48.1	30-130					7/28/17 22:26	
p-Terphenyl-d14		67.9	30-130					7/28/17 22:26	

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

Sample Description:

Work Order: 17G0775

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-56-1B

Sampled: 7/19/2017 11:16

Sample ID: 17G0775-09

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.6		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0775

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-56-2

Sampled: 7/19/2017 11:17

Sample ID: 17G0775-10

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	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 17:28	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 17:28	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 17:28	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 17:28	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 17:28	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 17:28	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 17:28	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 17:28	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 17:28	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		74.6	30-150					7/28/17 17:28	
Decachlorobiphenyl [2]		82.7	30-150					7/28/17 17:28	
Tetrachloro-m-xylene [1]		77.3	30-150					7/28/17 17:28	
Tetrachloro-m-xylene [2]		77.8	30-150					7/28/17 17:28	

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

Sample Description:

Work Order: 17G0775

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-56-2

Sampled: 7/19/2017 11:17

Sample ID: 17G0775-10

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.1		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0775

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-56-3

Sampled: 7/19/2017 11:18

Sample ID: 17G0775-11

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	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 17:45	TG
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 17:45	TG
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 17:45	TG
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 17:45	TG
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 17:45	TG
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 17:45	TG
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 17:45	TG
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 17:45	TG
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 17:45	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		83.0	30-150					7/28/17 17:45	
Decachlorobiphenyl [2]		89.5	30-150					7/28/17 17:45	
Tetrachloro-m-xylene [1]		85.0	30-150					7/28/17 17:45	
Tetrachloro-m-xylene [2]		87.1	30-150					7/28/17 17:45	

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

Sample Description:

Work Order: 17G0775

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-56-3

Sampled: 7/19/2017 11:18

Sample ID: 17G0775-11

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	74.4		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0775

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-75-2A

Sampled: 7/19/2017 11:13

Sample ID: 17G0775-12

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	5		SW-846 8082A	7/25/17	7/28/17 19:04	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 19:04	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 19:04	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 19:04	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 19:04	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 19:04	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 19:04	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 19:04	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 19:04	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		73.7	30-150					7/28/17 19:04	
Decachlorobiphenyl [2]		81.6	30-150					7/28/17 19:04	
Tetrachloro-m-xylene [1]		78.5	30-150					7/28/17 19:04	
Tetrachloro-m-xylene [2]		79.4	30-150					7/28/17 19:04	

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

Sample Description:

Work Order: 17G0775

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-75-2A

Sampled: 7/19/2017 11:13

Sample ID: 17G0775-12

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.0		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0775

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-75-2B

Sampled: 7/19/2017 11:15

Sample ID: 17G0775-13

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	7/26/17	7/28/17 21:39	BGL
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 21:39	BGL
Anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 21:39	BGL
Benzo(a)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 21:39	BGL
Benzo(a)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 21:39	BGL
Benzo(b)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 21:39	BGL
Benzo(g,h,i)perylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 21:39	BGL
Benzo(k)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 21:39	BGL
Chrysene	0.46	0.20	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 21:39	BGL
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 21:39	BGL
Fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 21:39	BGL
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 21:39	BGL
Indeno(1,2,3-cd)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 21:39	BGL
2-Methylnaphthalene	0.22	0.20	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 21:39	BGL
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 21:39	BGL
Phenanthrene	0.41	0.20	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 21:39	BGL
Pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 21:39	BGL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Nitrobenzene-d5		37.4	30-130					7/28/17 21:39	
2-Fluorobiphenyl		35.4	30-130					7/28/17 21:39	
p-Terphenyl-d14		48.8	30-130					7/28/17 21:39	

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

Sample Description:

Work Order: 17G0775

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-75-2B

Sampled: 7/19/2017 11:15

Sample ID: 17G0775-13

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	180	58	mg/Kg dry	5		CTDEP ETPH	7/26/17	7/27/17 19:17	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		57.6	50-150					7/27/17 19:17	

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

Sample Description:

Work Order: 17G0775

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-75-2B

Sampled: 7/19/2017 11:15

Sample ID: 17G0775-13

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	27	2.8	mg/Kg dry	1		SW-846 6010C-D	7/21/17	7/24/17 18:05	QNW

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

Sample Description:

Work Order: 17G0775

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-75-2B

Sampled: 7/19/2017 11:15

Sample ID: 17G0775-13

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.4		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0775

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-75-1

Sampled: 7/19/2017 11:11

Sample ID: 17G0775-14

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	5		SW-846 8082A	7/25/17	7/28/17 19:22	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 19:22	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 19:22	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 19:22	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 19:22	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 19:22	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 19:22	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 19:22	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 19:22	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		76.3	30-150					7/28/17 19:22	
Decachlorobiphenyl [2]		85.6	30-150					7/28/17 19:22	
Tetrachloro-m-xylene [1]		83.3	30-150					7/28/17 19:22	
Tetrachloro-m-xylene [2]		85.4	30-150					7/28/17 19:22	

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

Sample Description:

Work Order: 17G0775

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-75-1

Sampled: 7/19/2017 11:11

Sample ID: 17G0775-14

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	96.1		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0775

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-75-3

Sampled: 7/19/2017 11:17

Sample ID: 17G0775-15

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	0.12	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 19:40	TG
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 19:40	TG
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 19:40	TG
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 19:40	TG
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 19:40	TG
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 19:40	TG
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 19:40	TG
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 19:40	TG
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 19:40	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		78.6	30-150					7/28/17 19:40	
Decachlorobiphenyl [2]		92.0	30-150					7/28/17 19:40	
Tetrachloro-m-xylene [1]		81.9	30-150					7/28/17 19:40	
Tetrachloro-m-xylene [2]		83.4	30-150					7/28/17 19:40	

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

Sample Description:

Work Order: 17G0775

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-75-3

Sampled: 7/19/2017 11:17

Sample ID: 17G0775-15

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	81.8		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0775

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-75-4

Sampled: 7/19/2017 11:19

Sample ID: 17G0775-16

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	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 19:57	TG
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 19:57	TG
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 19:57	TG
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 19:57	TG
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 19:57	TG
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 19:57	TG
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 19:57	TG
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 19:57	TG
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 19:57	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		74.0	30-150					7/28/17 19:57	
Decachlorobiphenyl [2]		82.6	30-150					7/28/17 19:57	
Tetrachloro-m-xylene [1]		83.3	30-150					7/28/17 19:57	
Tetrachloro-m-xylene [2]		86.0	30-150					7/28/17 19:57	

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

Sample Description:

Work Order: 17G0775

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-75-4

Sampled: 7/19/2017 11:19

Sample ID: 17G0775-16

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	78.8		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0775

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-60-1A

Sampled: 7/19/2017 11:17

Sample ID: 17G0775-17

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	5		SW-846 8082A	7/25/17	7/28/17 20:15	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 20:15	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 20:15	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 20:15	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 20:15	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 20:15	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 20:15	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 20:15	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 20:15	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		80.2	30-150					7/28/17 20:15	
Decachlorobiphenyl [2]		88.9	30-150					7/28/17 20:15	
Tetrachloro-m-xylene [1]		85.8	30-150					7/28/17 20:15	
Tetrachloro-m-xylene [2]		87.7	30-150					7/28/17 20:15	

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

Sample Description:

Work Order: 17G0775

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-60-1A

Sampled: 7/19/2017 11:17

Sample ID: 17G0775-17

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	93.3		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0775

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-60-1B

Sampled: 7/19/2017 11:18

Sample ID: 17G0775-18

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	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/27/17 20:14	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/27/17 20:14	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/27/17 20:14	BGL
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/27/17 20:14	BGL
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/27/17 20:14	BGL
Benzo(b)fluoranthene	0.24	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/27/17 20:14	BGL
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/27/17 20:14	BGL
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/27/17 20:14	BGL
Chrysene	0.38	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/27/17 20:14	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/27/17 20:14	BGL
Fluoranthene	0.29	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/27/17 20:14	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/27/17 20:14	BGL
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/27/17 20:14	BGL
2-Methylnaphthalene	0.21	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/27/17 20:14	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/27/17 20:14	BGL
Phenanthrene	0.49	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/27/17 20:14	BGL
Pyrene	0.31	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/27/17 20:14	BGL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Nitrobenzene-d5		44.2	30-130					7/27/17 20:14	
2-Fluorobiphenyl		39.7	30-130					7/27/17 20:14	
p-Terphenyl-d14		48.2	30-130					7/27/17 20:14	

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

Sample Description:

Work Order: 17G0775

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-60-1B

Sampled: 7/19/2017 11:18

Sample ID: 17G0775-18

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	250	110	mg/Kg dry	10	MS-12	CTDEP ETPH	7/26/17	8/2/17 22:42	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		90.8	50-150					8/2/17 22:42	

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

Sample Description:

Work Order: 17G0775

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-60-1B

Sampled: 7/19/2017 11:18

Sample ID: 17G0775-18

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	17	2.7	mg/Kg dry	1	R-02	SW-846 6010C-D	7/21/17	7/24/17 18:05	QNW

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

Sample Description:

Work Order: 17G0775

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-60-1B

Sampled: 7/19/2017 11:18

Sample ID: 17G0775-18

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	88.7		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0775

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-60-2

Sampled: 7/19/2017 11:19

Sample ID: 17G0775-19

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	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 20:33	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 20:33	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 20:33	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 20:33	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 20:33	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 20:33	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 20:33	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 20:33	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 20:33	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		76.1	30-150					7/28/17 20:33	
Decachlorobiphenyl [2]		83.8	30-150					7/28/17 20:33	
Tetrachloro-m-xylene [1]		79.6	30-150					7/28/17 20:33	
Tetrachloro-m-xylene [2]		80.1	30-150					7/28/17 20:33	

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

Sample Description:

Work Order: 17G0775

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-60-2

Sampled: 7/19/2017 11:19

Sample ID: 17G0775-19

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	92.7		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0775

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-60-3

Sampled: 7/19/2017 11:20

Sample ID: 17G0775-20

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	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 20:51	TG
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 20:51	TG
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 20:51	TG
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 20:51	TG
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 20:51	TG
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 20:51	TG
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 20:51	TG
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 20:51	TG
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/25/17	7/28/17 20:51	TG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		75.8	30-150					7/28/17 20:51	
Decachlorobiphenyl [2]		85.9	30-150					7/28/17 20:51	
Tetrachloro-m-xylene [1]		83.2	30-150					7/28/17 20:51	
Tetrachloro-m-xylene [2]		84.6	30-150					7/28/17 20:51	

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

Sample Description:

Work Order: 17G0775

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-60-3

Sampled: 7/19/2017 11:20

Sample ID: 17G0775-20

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	78.6		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0775-13 [WS-AOC12W-SO-75-2B]	B182589	30.0	1.00	07/26/17
17G0775-18 [WS-AOC12W-SO-60-1B]	B182589	30.0	1.00	07/26/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17G0775-01 [WS-AOC12W-SO-49-3]	B182549	07/26/17
17G0775-02 [WS-AOC12W-SO-71-1]	B182549	07/26/17
17G0775-03 [WS-AOC12W-SO-71-2]	B182549	07/26/17
17G0775-04 [WS-AOC12W-SO-71-3]	B182549	07/26/17
17G0775-05 [WS-AOC12W-SO-52-1]	B182549	07/26/17
17G0775-06 [WS-AOC12W-SO-52-2]	B182549	07/26/17
17G0775-07 [WS-AOC12W-SO-52-3]	B182549	07/26/17
17G0775-08 [WS-AOC12W-SO-56-1A]	B182549	07/26/17
17G0775-09 [WS-AOC12W-SO-56-1B]	B182549	07/26/17
17G0775-10 [WS-AOC12W-SO-56-2]	B182549	07/26/17
17G0775-11 [WS-AOC12W-SO-56-3]	B182549	07/26/17
17G0775-12 [WS-AOC12W-SO-75-2A]	B182549	07/26/17
17G0775-13 [WS-AOC12W-SO-75-2B]	B182549	07/26/17
17G0775-14 [WS-AOC12W-SO-75-1]	B182549	07/26/17
17G0775-15 [WS-AOC12W-SO-75-3]	B182549	07/26/17
17G0775-16 [WS-AOC12W-SO-75-4]	B182549	07/26/17
17G0775-17 [WS-AOC12W-SO-60-1A]	B182549	07/26/17
17G0775-18 [WS-AOC12W-SO-60-1B]	B182549	07/26/17
17G0775-19 [WS-AOC12W-SO-60-2]	B182549	07/26/17
17G0775-20 [WS-AOC12W-SO-60-3]	B182549	07/26/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0775-13 [WS-AOC12W-SO-75-2B]	B182194	1.03	50.0	07/21/17
17G0775-18 [WS-AOC12W-SO-60-1B]	B182194	1.06	50.0	07/21/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0775-01 [WS-AOC12W-SO-49-3]	B182504	10.0	10.0	07/25/17
17G0775-02 [WS-AOC12W-SO-71-1]	B182504	10.0	10.0	07/25/17
17G0775-03 [WS-AOC12W-SO-71-2]	B182504	10.0	10.0	07/25/17
17G0775-04 [WS-AOC12W-SO-71-3]	B182504	10.0	10.0	07/25/17
17G0775-05 [WS-AOC12W-SO-52-1]	B182504	10.0	10.0	07/25/17
17G0775-06 [WS-AOC12W-SO-52-2]	B182504	10.0	10.0	07/25/17
17G0775-07 [WS-AOC12W-SO-52-3]	B182504	10.0	10.0	07/25/17
17G0775-08 [WS-AOC12W-SO-56-1A]	B182504	10.0	10.0	07/25/17
17G0775-10 [WS-AOC12W-SO-56-2]	B182504	10.0	10.0	07/25/17
17G0775-11 [WS-AOC12W-SO-56-3]	B182504	10.0	10.0	07/25/17
17G0775-12 [WS-AOC12W-SO-75-2A]	B182504	10.0	10.0	07/25/17
17G0775-14 [WS-AOC12W-SO-75-1]	B182504	10.0	10.0	07/25/17
17G0775-15 [WS-AOC12W-SO-75-3]	B182504	10.0	10.0	07/25/17
17G0775-16 [WS-AOC12W-SO-75-4]	B182504	10.0	10.0	07/25/17
17G0775-17 [WS-AOC12W-SO-60-1A]	B182504	10.0	10.0	07/25/17

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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
17G0775-19 [WS-AOC12W-SO-60-2]	B182504	10.0	10.0	07/25/17
17G0775-20 [WS-AOC12W-SO-60-3]	B182504	10.0	10.0	07/25/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0775-09 [WS-AOC12W-SO-56-1B]	B182604	30.0	1.00	07/26/17
17G0775-13 [WS-AOC12W-SO-75-2B]	B182604	30.0	1.00	07/26/17
17G0775-18 [WS-AOC12W-SO-60-1B]	B182604	30.0	1.00	07/26/17

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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 B182604 - SW-846 3546										
Blank (B182604-BLK1)										
Prepared: 07/26/17 Analyzed: 07/27/17										
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	2.42		mg/Kg wet	3.33		72.6	30-130			
Surrogate: 2-Fluorobiphenyl	2.38		mg/Kg wet	3.33		71.4	30-130			
Surrogate: p-Terphenyl-d14	2.72		mg/Kg wet	3.33		81.5	30-130			
LCS (B182604-BS1)										
Prepared: 07/26/17 Analyzed: 07/27/17										
Acenaphthene	0.860	0.17	mg/Kg wet	1.67		51.6	40-140			
Acenaphthylene	0.832	0.17	mg/Kg wet	1.67		49.9	40-140			
Anthracene	0.914	0.17	mg/Kg wet	1.67		54.8	40-140			
Benzo(a)anthracene	0.935	0.17	mg/Kg wet	1.67		56.1	40-140			
Benzo(a)pyrene	0.940	0.17	mg/Kg wet	1.67		56.4	40-140			
Benzo(b)fluoranthene	0.852	0.17	mg/Kg wet	1.67		51.1	40-140			
Benzo(g,h,i)perylene	1.11	0.17	mg/Kg wet	1.67		66.4	40-140			
Benzo(k)fluoranthene	0.863	0.17	mg/Kg wet	1.67		51.8	40-140			
Chrysene	0.934	0.17	mg/Kg wet	1.67		56.0	40-140			
Dibenz(a,h)anthracene	1.03	0.17	mg/Kg wet	1.67		61.8	40-140			
Fluoranthene	0.889	0.17	mg/Kg wet	1.67		53.3	40-140			
Fluorene	0.876	0.17	mg/Kg wet	1.67		52.6	40-140			
Indeno(1,2,3-cd)pyrene	0.984	0.17	mg/Kg wet	1.67		59.1	40-140			
2-Methylnaphthalene	0.851	0.17	mg/Kg wet	1.67		51.0	40-140			
Naphthalene	0.836	0.17	mg/Kg wet	1.67		50.1	40-140			
Phenanthrene	0.915	0.17	mg/Kg wet	1.67		54.9	40-140			
Pyrene	0.887	0.17	mg/Kg wet	1.67		53.2	40-140			
Surrogate: Nitrobenzene-d5	1.92		mg/Kg wet	3.33		57.6	30-130			
Surrogate: 2-Fluorobiphenyl	1.93		mg/Kg wet	3.33		57.9	30-130			
Surrogate: p-Terphenyl-d14	2.13		mg/Kg wet	3.33		63.8	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 B182604 - SW-846 3546										
LCS Dup (B182604-BSD1)										
					Prepared: 07/26/17 Analyzed: 07/27/17					
Acenaphthene	1.04	0.17	mg/Kg wet	1.67		62.7	40-140	19.3	30	
Acenaphthylene	1.02	0.17	mg/Kg wet	1.67		61.1	40-140	20.0	30	
Anthracene	1.12	0.17	mg/Kg wet	1.67		67.1	40-140	20.1	30	
Benzo(a)anthracene	1.13	0.17	mg/Kg wet	1.67		68.0	40-140	19.2	30	
Benzo(a)pyrene	1.12	0.17	mg/Kg wet	1.67		66.9	40-140	17.1	30	
Benzo(b)fluoranthene	1.01	0.17	mg/Kg wet	1.67		60.8	40-140	17.2	30	
Benzo(g,h,i)perylene	1.35	0.17	mg/Kg wet	1.67		81.1	40-140	20.0	30	
Benzo(k)fluoranthene	1.04	0.17	mg/Kg wet	1.67		62.3	40-140	18.4	30	
Chrysene	1.11	0.17	mg/Kg wet	1.67		66.7	40-140	17.4	30	
Dibenz(a,h)anthracene	1.26	0.17	mg/Kg wet	1.67		75.9	40-140	20.4	30	
Fluoranthene	1.11	0.17	mg/Kg wet	1.67		66.8	40-140	22.5	30	
Fluorene	1.06	0.17	mg/Kg wet	1.67		63.6	40-140	19.0	30	
Indeno(1,2,3-cd)pyrene	1.27	0.17	mg/Kg wet	1.67		76.0	40-140	25.1	30	
2-Methylnaphthalene	1.04	0.17	mg/Kg wet	1.67		62.4	40-140	20.1	30	
Naphthalene	1.01	0.17	mg/Kg wet	1.67		60.5	40-140	18.8	30	
Phenanthrene	1.10	0.17	mg/Kg wet	1.67		66.2	40-140	18.7	30	
Pyrene	1.12	0.17	mg/Kg wet	1.67		67.2	40-140	23.2	30	
Surrogate: Nitrobenzene-d5	2.33		mg/Kg wet	3.33		70.0	30-130			
Surrogate: 2-Fluorobiphenyl	2.33		mg/Kg wet	3.33		69.9	30-130			
Surrogate: p-Terphenyl-d14	2.60		mg/Kg wet	3.33		78.0	30-130			

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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 B182504 - SW-846 3540C										
Blank (B182504-BLK1)										
Prepared: 07/25/17 Analyzed: 07/27/17										
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		90.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.168		mg/Kg wet	0.200		83.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.176		mg/Kg wet	0.200		88.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.165		mg/Kg wet	0.200		82.4	30-150			
LCS (B182504-BS1)										
Prepared: 07/25/17 Analyzed: 07/27/17										
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		89.0	40-140			
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		85.4	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		79.4	40-140			
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		73.0	40-140			
Surrogate: Decachlorobiphenyl	0.178		mg/Kg wet	0.200		88.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.165		mg/Kg wet	0.200		82.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.173		mg/Kg wet	0.200		86.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.161		mg/Kg wet	0.200		80.4	30-150			
LCS Dup (B182504-BSD1)										
Prepared: 07/25/17 Analyzed: 07/27/17										
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		89.9	40-140	1.07	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		88.2	40-140	3.22	30	
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		81.3	40-140	2.40	30	
Aroclor-1260 [2C]	0.14	0.020	mg/Kg wet	0.200		72.2	40-140	1.06	30	
Surrogate: Decachlorobiphenyl	0.177		mg/Kg wet	0.200		88.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.165		mg/Kg wet	0.200		82.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.172		mg/Kg wet	0.200		85.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.160		mg/Kg wet	0.200		80.1	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 B182504 - SW-846 3540C

Matrix Spike (B182504-MS1)

Source: 17G0775-17

Prepared: 07/25/17 Analyzed: 07/28/17

Aroclor-1016	0.18	0.11	mg/Kg dry	0.214	ND	83.7	40-140			
Aroclor-1016 [2C]	0.19	0.11	mg/Kg dry	0.214	ND	89.1	40-140			
Aroclor-1260	0.15	0.11	mg/Kg dry	0.214	ND	71.5	40-140			
Aroclor-1260 [2C]	0.17	0.11	mg/Kg dry	0.214	ND	79.1	40-140			
Surrogate: Decachlorobiphenyl	0.165		mg/Kg dry	0.214		76.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.179		mg/Kg dry	0.214		83.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.173		mg/Kg dry	0.214		80.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.178		mg/Kg dry	0.214		83.0	30-150			

Matrix Spike Dup (B182504-MSD1)

Source: 17G0775-17

Prepared: 07/25/17 Analyzed: 07/28/17

Aroclor-1016	0.19	0.11	mg/Kg dry	0.214	ND	88.5	40-140	5.56	50	
Aroclor-1016 [2C]	0.19	0.11	mg/Kg dry	0.214	ND	89.8	40-140	0.755	50	
Aroclor-1260	0.16	0.11	mg/Kg dry	0.214	ND	73.0	40-140	2.08	50	
Aroclor-1260 [2C]	0.17	0.11	mg/Kg dry	0.214	ND	80.6	40-140	1.91	50	
Surrogate: Decachlorobiphenyl	0.163		mg/Kg dry	0.214		76.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.179		mg/Kg dry	0.214		83.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.171		mg/Kg dry	0.214		79.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.177		mg/Kg dry	0.214		82.5	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 B182589 - SW-846 3546										
Blank (B182589-BLK1)					Prepared: 07/26/17 Analyzed: 07/27/17					
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	3.17		mg/Kg wet	3.33		95.1	50-150			
LCS (B182589-BS1)					Prepared: 07/26/17 Analyzed: 07/27/17					
CT ETPH	32.7	10	mg/Kg wet	33.3		98.1	60-120			
Surrogate: o-Terphenyl	2.50		mg/Kg wet	3.33		75.1	50-150			
LCS Dup (B182589-BSD1)					Prepared: 07/26/17 Analyzed: 07/27/17					
CT ETPH	29.7	10	mg/Kg wet	33.3		89.0	60-120	9.67	30	
Surrogate: o-Terphenyl	2.58		mg/Kg wet	3.33		77.4	50-150			
Matrix Spike (B182589-MS1)					Source: 17G0775-18 Prepared: 07/26/17 Analyzed: 08/02/17					
CT ETPH	311	110	mg/Kg dry	37.6	250	161 *	50-150			MS-12
Surrogate: o-Terphenyl	4.15		mg/Kg dry	3.76		110	50-150			
Matrix Spike Dup (B182589-MSD1)					Source: 17G0775-18 Prepared: 07/26/17 Analyzed: 08/02/17					
CT ETPH	341	110	mg/Kg dry	37.6	250	241 *	50-150	9.20	30	MS-12
Surrogate: o-Terphenyl	4.17		mg/Kg dry	3.76		111	50-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B182194 - SW-846 3050B										
Blank (B182194-BLK1)										
					Prepared: 07/21/17 Analyzed: 07/24/17					
Arsenic	ND	2.5	mg/Kg wet							
LCS (B182194-BS1)										
					Prepared: 07/21/17 Analyzed: 07/24/17					
Arsenic	51.6	5.0	mg/Kg wet	57.0		90.5	77.8-122.1			
LCS Dup (B182194-BSD1)										
					Prepared: 07/21/17 Analyzed: 07/24/17					
Arsenic	51.2	4.9	mg/Kg wet	57.0		89.9	77.8-122.1	0.723	30	
Duplicate (B182194-DUP1)										
					Source: 17G0775-18 Prepared: 07/21/17 Analyzed: 07/24/17					
Arsenic	11.7	2.6	mg/Kg dry		17.2			38.0 *	35	R-02
Matrix Spike (B182194-MS1)										
					Source: 17G0775-18 Prepared: 07/21/17 Analyzed: 07/24/17					
Arsenic	36.7	2.6	mg/Kg dry	25.9	17.2	75.3	75-125			
Matrix Spike Dup (B182194-MSD1)										
					Source: 17G0775-18 Prepared: 07/21/17 Analyzed: 07/25/17					
Arsenic	37.1	2.6	mg/Kg dry	25.9	17.2	77.0	75-125	1.21	35	

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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 B182549 - % Solids										
Duplicate (B182549-DUP1)										
Source: 17G0775-17 Prepared: 07/26/17 Analyzed: 07/27/17										
% Solids	93.5		% Wt			93.3		0.214	20	
Duplicate (B182549-DUP2)										
Source: 17G0775-18 Prepared: 07/26/17 Analyzed: 07/27/17										
% Solids	91.0		% Wt			88.7		2.56	20	

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

SW-846 8082A

Lab Sample ID: B182504-BS1 Date(s) Analyzed: 07/27/2017 07/27/2017

Instrument ID (1): ECD3 Instrument ID (2): ECD3

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

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

Lab Sample ID: B182504-BSD1 Date(s) Analyzed: 07/27/2017 07/27/2017

Instrument ID (1): ECD3 Instrument ID (2): ECD3

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.18	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.14	13.3

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

Matrix Spike

SW-846 8082A

Lab Sample ID: B182504-MS1 Date(s) Analyzed: 07/28/2017 07/28/2017

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	0.18	
	2	0.000	-0.030	0.030	0.19	5.4
Aroclor-1260	1	0.000	-0.030	0.030	0.15	
	2	0.000	-0.030	0.030	0.17	12.5

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

Matrix Spike Dup

SW-846 8082A

Lab Sample ID: B182504-MSD1 Date(s) Analyzed: 07/28/2017 07/28/2017

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	0.19	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.17	6.1

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
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-12	Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a high bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
R-02	Duplicate RPD is outside of control limits. Outlier can be attributed to sample non-homogeneity encountered during sample prep.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
SW-846 6010C-D in Soil	
Arsenic	CT,NH,NY,ME,VA,NC
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

1760775

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)

Invoice Recipient: Chris Berthiaume/Will Sirotnak

Sampled By:

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-AOC12W-50-49-3	7/19/17	10:44		X	S	V
2	WS-AOC12W-50-71-1		10:56				
3	WS-AOC12W-50-71-2		10:58				
4	WS-AOC12W-50-71-3		11:00				
5	WS-AOC12W-50-52-1		11:01				
6	WS-AOC12W-50-52-2		11:02				
7	WS-AOC12W-50-52-3		11:03				
8	WS-AOC12W-50-56-1A		11:15				
9	WS-AOC12W-50-56-1B		11:16				
10	WS-AOC12W-50-56-2		11:17				

ANALYSIS REQUESTED

Arsenic
SPLP ETPH
ETPH
PAHs
SPLP PCBs
(Soxhlet) PCBs

- 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.

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

Relinquished by: (signature)	Date/Time
[Signature]	7/19/17 15:30
Received by: (signature)	Date/Time
Tom Mann	7/19/17 15:30
Relinquished by: (signature)	Date/Time
[Signature]	7/19/17 17:40
Received by: (signature)	Date/Time
[Signature]	7/19/17 17:40
Relinquished by: (signature)	Date/Time
[Signature]	
Received by: (signature)	Date/Time
[Signature]	

1760775

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 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)
 Invoice Recipient: 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
 Date Delivery
 Format: PDF EXCEL
 Other:
 Enhanced Data Package Required:
 Email To: beelerm@wseinc.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

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
11	WS-AOC12W-50-56-3	7/19/17	11:18		X	S	U
12	WS-AOC12W-50-75-2A		11:13				
13	WS-AOC12W-50-75-2B		11:15				
14	WS-AOC12W-50-75-1		11:11				
15	WS-AOC12W-50-75-3		11:17				
16	WS-AOC12W-50-75-4		11:19				
17	WS-AOC12W-50-60-1A (MS-MSD)		11:17				
18	WS-AOC12W-50-60-1B (MS-MSD)		11:18				
19	WS-AOC12W-50-60-2		11:19				
20	WS-AOC12W-50-60-3		11:20				

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
 SPLP PCBs (Soxhlet) PCBs
 PAHs
 ETPH
 SPLP ETPH
 Arsenic

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

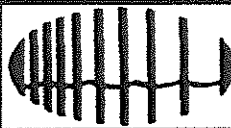
Program Information
 MCP Analytical Certification Form Required
 RCP Analysis Certification Form Required
 MA State DW Form Required
 PWSID # _____
 NELAC and AIHA-LAP, LLC Accredited

Comments:
 WS-AOC12W-50-60-1A (MS-MSD)
 WS-AOC12W-50-60-1B (MS-MSD)

Relinquished by: (signature)	Date/Time
<i>[Signature]</i>	7/19/17 1530
<i>[Signature]</i>	7/19/17 1530
<i>[Signature]</i>	7/19/17 1740
<i>[Signature]</i>	7/19/17 1740
<i>[Signature]</i>	7/19/17 1740
<i>[Signature]</i>	7/19/17 1740

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
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 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 7/19/17 Time 1740

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

Were samples within Temperature? 2-6°C T By Gun # 2 Actual Temp - 3.4, 2.9, 4.1
 By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? N/A Were Samples Tampered with? F
 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? F 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-	<u>20</u>	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\A072717.SEC\A0727055.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 7/27/17
 Data File Name A0727055.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.14	429971	456453	-6
c - 10	1.49	436660	456453	-4
c - 12	2.22	455312	456453	0
c - 14	2.88	461259	456453	1
c - 16	3.48	469293	456453	3
c - 18	4.05	462720	456453	1
o-Terphenyl	4.36	532470	456453	
c - 20	4.66	470640	456453	3
c - 22	5.18	476652	456453	4
c - 24	5.62	443852	456453	-3
c - 26	6.01	468554	456453	3
c - 28	6.37	463829	456453	2
c - 30	6.70	457044	456453	0
c - 32	7.01	446255	456453	-2
c - 34	7.30	450835	456453	-1
c - 36	7.58	453922	456453	-1

* One compound allowed %D <= 50%

Samples

17G0775-13
 17G0679-08@20X
 17G0772-08@10X
 17G0778-14@5X
 17G0779-07@10X
 17G0779-12@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: 17G0775

Laboratory Sample ID(s):

Sample Date(s):

17G0775-01 thru 17G0775-20

07/19/2017

List RCP Methods Used:

CTDEP ETPH, SW-846 6010C-D, 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: 08/03/17

Name of Laboratory: Con-Test Analytical Laboratory

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

August 3, 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: 17G0776

Enclosed are results of analyses for samples received by the laboratory on July 19, 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: 8/3/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G0776

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-AOC12W-SO-62-1	17G0776-01	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-62-2	17G0776-02	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-62-3	17G0776-03	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-78-1	17G0776-04	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-78-2	17G0776-05	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-78-3	17G0776-06	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-78-4	17G0776-07	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-81-1	17G0776-08	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-81-2	17G0776-09	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-81-3	17G0776-10	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-81-4	17G0776-11	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-66-1	17G0776-12	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-66-2	17G0776-13	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-66-3	17G0776-14	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-84-1	17G0776-15	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-84-2A	17G0776-16	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-84-2B	17G0776-17	Soil		CTDEP ETPH SM 2540G SW-846 6010C-D	
WS-AOC12W-SO-84-3	17G0776-18	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-84-4	17G0776-19	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-69-1	17G0776-20	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.

For method 6010, only As was requested and reported.

SW-846 6010C/D SW-846 6020A/B

For NC, Metals methods SW-846 6010D and SW-846 6020B are followed, and for all other states methods SW-846 6010C and SW-846 6020A are followed.

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

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

A handwritten signature in black ink, appearing to read "Lisa A. Worthington", is written over a light gray rectangular background.

Lisa A. Worthington
Project Manager

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

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

Sample Description:

Work Order: 17G0776

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-62-1

Sampled: 7/19/2017 11:44

Sample ID: 17G0776-01

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	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 12:10	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 12:10	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 12:10	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 12:10	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 12:10	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 12:10	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 12:10	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 12:10	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 12:10	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.1	30-150					7/29/17 12:10	
Decachlorobiphenyl [2]		88.5	30-150					7/29/17 12:10	
Tetrachloro-m-xylene [1]		83.6	30-150					7/29/17 12:10	
Tetrachloro-m-xylene [2]		83.8	30-150					7/29/17 12:10	

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

Sample Description:

Work Order: 17G0776

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-62-1

Sampled: 7/19/2017 11:44

Sample ID: 17G0776-01

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	94.7		% Wt	1		SM 2540G	7/26/17	7/27/17 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: 17G0776

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-62-2

Sampled: 7/19/2017 11:45

Sample ID: 17G0776-02

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	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 12:28	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 12:28	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 12:28	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 12:28	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 12:28	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 12:28	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 12:28	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 12:28	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 12:28	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		85.7	30-150					7/29/17 12:28	
Decachlorobiphenyl [2]		91.9	30-150					7/29/17 12:28	
Tetrachloro-m-xylene [1]		85.9	30-150					7/29/17 12:28	
Tetrachloro-m-xylene [2]		87.2	30-150					7/29/17 12:28	

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

Sample Description:

Work Order: 17G0776

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-62-2

Sampled: 7/19/2017 11:45

Sample ID: 17G0776-02

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.7		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0776

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-62-3

Sampled: 7/19/2017 11:46

Sample ID: 17G0776-03

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	5		SW-846 8082A	7/26/17	7/29/17 12:46	JMB
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 12:46	JMB
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 12:46	JMB
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 12:46	JMB
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 12:46	JMB
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 12:46	JMB
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 12:46	JMB
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 12:46	JMB
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 12:46	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		41.1	30-150					7/29/17 12:46	
Decachlorobiphenyl [2]		46.2	30-150					7/29/17 12:46	
Tetrachloro-m-xylene [1]		48.6	30-150					7/29/17 12:46	
Tetrachloro-m-xylene [2]		50.0	30-150					7/29/17 12:46	

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

Sample Description:

Work Order: 17G0776

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-62-3

Sampled: 7/19/2017 11:46

Sample ID: 17G0776-03

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	72.3		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0776

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-78-1

Sampled: 7/19/2017 11:40

Sample ID: 17G0776-04

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	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 13:03	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 13:03	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 13:03	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 13:03	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 13:03	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 13:03	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 13:03	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 13:03	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 13:03	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		76.2	30-150					7/29/17 13:03	
Decachlorobiphenyl [2]		88.5	30-150					7/29/17 13:03	
Tetrachloro-m-xylene [1]		81.4	30-150					7/29/17 13:03	
Tetrachloro-m-xylene [2]		84.0	30-150					7/29/17 13:03	

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

Sample Description:

Work Order: 17G0776

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-78-1

Sampled: 7/19/2017 11:40

Sample ID: 17G0776-04

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	98.7		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0776

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-78-2

Sampled: 7/19/2017 11:42

Sample ID: 17G0776-05

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	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 13:21	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 13:21	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 13:21	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 13:21	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 13:21	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 13:21	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 13:21	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 13:21	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 13:21	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		80.6	30-150					7/29/17 13:21	
Decachlorobiphenyl [2]		87.6	30-150					7/29/17 13:21	
Tetrachloro-m-xylene [1]		85.2	30-150					7/29/17 13:21	
Tetrachloro-m-xylene [2]		86.4	30-150					7/29/17 13:21	

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

Sample Description:

Work Order: 17G0776

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-78-2

Sampled: 7/19/2017 11:42

Sample ID: 17G0776-05

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	95.1		% Wt	1		SM 2540G	7/26/17	7/27/17 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: 17G0776

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-78-3

Sampled: 7/19/2017 11:44

Sample ID: 17G0776-06

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	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 13:39	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 13:39	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 13:39	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 13:39	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 13:39	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 13:39	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 13:39	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 13:39	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 13:39	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		76.6	30-150					7/29/17 13:39	
Decachlorobiphenyl [2]		82.3	30-150					7/29/17 13:39	
Tetrachloro-m-xylene [1]		83.8	30-150					7/29/17 13:39	
Tetrachloro-m-xylene [2]		86.4	30-150					7/29/17 13:39	

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: 17G0776

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-78-3

Sampled: 7/19/2017 11:44

Sample ID: 17G0776-06

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	84.2		% Wt	1		SM 2540G	7/26/17	7/27/17 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: 17G0776

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-78-4

Sampled: 7/19/2017 11:46

Sample ID: 17G0776-07

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	5		SW-846 8082A	7/26/17	7/29/17 13:57	JMB
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 13:57	JMB
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 13:57	JMB
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 13:57	JMB
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 13:57	JMB
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 13:57	JMB
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 13:57	JMB
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 13:57	JMB
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 13:57	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		81.1	30-150					7/29/17 13:57	
Decachlorobiphenyl [2]		87.6	30-150					7/29/17 13:57	
Tetrachloro-m-xylene [1]		86.0	30-150					7/29/17 13:57	
Tetrachloro-m-xylene [2]		86.2	30-150					7/29/17 13:57	

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

Sample Description:

Work Order: 17G0776

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-78-4

Sampled: 7/19/2017 11:46

Sample ID: 17G0776-07

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	72.2		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0776

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-81-1

Sampled: 7/19/2017 12:18

Sample ID: 17G0776-08

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	5		SW-846 8082A	7/26/17	7/29/17 14:14	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 14:14	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 14:14	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 14:14	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 14:14	JMB
Aroclor-1254 [2]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 14:14	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 14:14	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 14:14	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 14:14	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		70.2	30-150					7/29/17 14:14	
Decachlorobiphenyl [2]		78.3	30-150					7/29/17 14:14	
Tetrachloro-m-xylene [1]		80.0	30-150					7/29/17 14:14	
Tetrachloro-m-xylene [2]		81.3	30-150					7/29/17 14:14	

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

Sample Description:

Work Order: 17G0776

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-81-1

Sampled: 7/19/2017 12:18

Sample ID: 17G0776-08

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	98.2		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0776

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-81-2

Sampled: 7/19/2017 12:20

Sample ID: 17G0776-09

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	5		SW-846 8082A	7/26/17	7/29/17 14:32	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 14:32	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 14:32	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 14:32	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 14:32	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 14:32	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 14:32	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 14:32	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 14:32	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		68.5	30-150					7/29/17 14:32	
Decachlorobiphenyl [2]		78.7	30-150					7/29/17 14:32	
Tetrachloro-m-xylene [1]		76.5	30-150					7/29/17 14:32	
Tetrachloro-m-xylene [2]		77.1	30-150					7/29/17 14:32	

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

Sample Description:

Work Order: 17G0776

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-81-2

Sampled: 7/19/2017 12:20

Sample ID: 17G0776-09

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	93.3		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0776

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-81-3

Sampled: 7/19/2017 12:22

Sample ID: 17G0776-10

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	5		SW-846 8082A	7/26/17	7/29/17 15:38	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 15:38	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 15:38	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 15:38	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 15:38	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 15:38	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 15:38	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 15:38	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 15:38	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		79.1	30-150					7/29/17 15:38	
Decachlorobiphenyl [2]		85.8	30-150					7/29/17 15:38	
Tetrachloro-m-xylene [1]		80.5	30-150					7/29/17 15:38	
Tetrachloro-m-xylene [2]		82.0	30-150					7/29/17 15:38	

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

Sample Description:

Work Order: 17G0776

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-81-3

Sampled: 7/19/2017 12:22

Sample ID: 17G0776-10

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.9		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0776

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-81-4

Sampled: 7/19/2017 12:24

Sample ID: 17G0776-11

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	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 15:56	JMB
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 15:56	JMB
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 15:56	JMB
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 15:56	JMB
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 15:56	JMB
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 15:56	JMB
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 15:56	JMB
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 15:56	JMB
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 15:56	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		83.8	30-150					7/29/17 15:56	
Decachlorobiphenyl [2]		90.8	30-150					7/29/17 15:56	
Tetrachloro-m-xylene [1]		88.1	30-150					7/29/17 15:56	
Tetrachloro-m-xylene [2]		89.4	30-150					7/29/17 15:56	

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

Sample Description:

Work Order: 17G0776

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-81-4

Sampled: 7/19/2017 12:24

Sample ID: 17G0776-11

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	78.0		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0776

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-66-1

Sampled: 7/19/2017 12:03

Sample ID: 17G0776-12

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	5		SW-846 8082A	7/26/17	7/29/17 16:13	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 16:13	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 16:13	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 16:13	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 16:13	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 16:13	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 16:13	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 16:13	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 16:13	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		74.9	30-150					7/29/17 16:13	
Decachlorobiphenyl [2]		81.0	30-150					7/29/17 16:13	
Tetrachloro-m-xylene [1]		76.6	30-150					7/29/17 16:13	
Tetrachloro-m-xylene [2]		77.2	30-150					7/29/17 16:13	

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

Sample Description:

Work Order: 17G0776

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-66-1

Sampled: 7/19/2017 12:03

Sample ID: 17G0776-12

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.6		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0776

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-66-2

Sampled: 7/19/2017 12:04

Sample ID: 17G0776-13

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	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 16:31	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 16:31	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 16:31	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 16:31	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 16:31	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 16:31	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 16:31	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 16:31	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 16:31	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		74.2	30-150					7/29/17 16:31	
Decachlorobiphenyl [2]		80.9	30-150					7/29/17 16:31	
Tetrachloro-m-xylene [1]		75.5	30-150					7/29/17 16:31	
Tetrachloro-m-xylene [2]		76.3	30-150					7/29/17 16:31	

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

Sample Description:

Work Order: 17G0776

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-66-2

Sampled: 7/19/2017 12:04

Sample ID: 17G0776-13

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.3		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0776

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-66-3

Sampled: 7/19/2017 12:05

Sample ID: 17G0776-14

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	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 16:49	JMB
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 16:49	JMB
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 16:49	JMB
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 16:49	JMB
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 16:49	JMB
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 16:49	JMB
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 16:49	JMB
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 16:49	JMB
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 16:49	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		69.2	30-150					7/29/17 16:49	
Decachlorobiphenyl [2]		74.8	30-150					7/29/17 16:49	
Tetrachloro-m-xylene [1]		71.2	30-150					7/29/17 16:49	
Tetrachloro-m-xylene [2]		72.6	30-150					7/29/17 16:49	

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

Sample Description:

Work Order: 17G0776

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-66-3

Sampled: 7/19/2017 12:05

Sample ID: 17G0776-14

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	74.6		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0776

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-84-1

Sampled: 7/19/2017 12:26

Sample ID: 17G0776-15

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	5		SW-846 8082A	7/26/17	7/29/17 17:06	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 17:06	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 17:06	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 17:06	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 17:06	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 17:06	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 17:06	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 17:06	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 17:06	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.2	30-150					7/29/17 17:06	
Decachlorobiphenyl [2]		89.6	30-150					7/29/17 17:06	
Tetrachloro-m-xylene [1]		86.0	30-150					7/29/17 17:06	
Tetrachloro-m-xylene [2]		86.8	30-150					7/29/17 17:06	

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

Sample Description:

Work Order: 17G0776

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-84-1

Sampled: 7/19/2017 12:26

Sample ID: 17G0776-15

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	97.7		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0776

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-84-2A

Sampled: 7/19/2017 12:28

Sample ID: 17G0776-16

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	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 17:24	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 17:24	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 17:24	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 17:24	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 17:24	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 17:24	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 17:24	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 17:24	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 17:24	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		75.5	30-150					7/29/17 17:24	
Decachlorobiphenyl [2]		82.6	30-150					7/29/17 17:24	
Tetrachloro-m-xylene [1]		77.4	30-150					7/29/17 17:24	
Tetrachloro-m-xylene [2]		78.9	30-150					7/29/17 17:24	

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

Sample Description:

Work Order: 17G0776

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-84-2A

Sampled: 7/19/2017 12:28

Sample ID: 17G0776-16

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	94.7		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0776

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-84-2B

Sampled: 7/19/2017 12:30

Sample ID: 17G0776-17

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	540	450	mg/Kg dry	20		CTDEP ETPH	7/26/17	8/2/17 23:36	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	86.3		50-150					8/2/17 23:36	

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

Sample Description:

Work Order: 17G0776

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-84-2B

Sampled: 7/19/2017 12:30

Sample ID: 17G0776-17

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	19	2.6	mg/Kg dry	1		SW-846 6010C-D	7/21/17	7/24/17 18:05	QNW

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

Sample Description:

Work Order: 17G0776

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-84-2B

Sampled: 7/19/2017 12:30

Sample ID: 17G0776-17

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	89.7		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0776

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-84-3

Sampled: 7/19/2017 12:32

Sample ID: 17G0776-18

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	5		SW-846 8082A	7/26/17	7/29/17 17:42	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 17:42	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 17:42	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 17:42	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 17:42	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 17:42	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 17:42	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 17:42	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 17:42	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		79.1	30-150					7/29/17 17:42	
Decachlorobiphenyl [2]		87.1	30-150					7/29/17 17:42	
Tetrachloro-m-xylene [1]		79.5	30-150					7/29/17 17:42	
Tetrachloro-m-xylene [2]		81.6	30-150					7/29/17 17:42	

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

Sample Description:

Work Order: 17G0776

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-84-3

Sampled: 7/19/2017 12:32

Sample ID: 17G0776-18

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	81.8		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0776

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-84-4

Sampled: 7/19/2017 12:34

Sample ID: 17G0776-19

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	0.15	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 18:00	JMB
Aroclor-1221 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 18:00	JMB
Aroclor-1232 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 18:00	JMB
Aroclor-1242 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 18:00	JMB
Aroclor-1248 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 18:00	JMB
Aroclor-1254 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 18:00	JMB
Aroclor-1260 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 18:00	JMB
Aroclor-1262 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 18:00	JMB
Aroclor-1268 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 18:00	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		82.2	30-150					7/29/17 18:00	
Decachlorobiphenyl [2]		88.3	30-150					7/29/17 18:00	
Tetrachloro-m-xylene [1]		80.2	30-150					7/29/17 18:00	
Tetrachloro-m-xylene [2]		82.1	30-150					7/29/17 18:00	

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

Sample Description:

Work Order: 17G0776

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-84-4

Sampled: 7/19/2017 12:34

Sample ID: 17G0776-19

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	65.4		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0776

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-69-1

Sampled: 7/19/2017 13:36

Sample ID: 17G0776-20

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	5		SW-846 8082A	7/26/17	7/29/17 18:17	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 18:17	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 18:17	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 18:17	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 18:17	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 18:17	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 18:17	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 18:17	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/29/17 18:17	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		76.5	30-150					7/29/17 18:17	
Decachlorobiphenyl [2]		84.2	30-150					7/29/17 18:17	
Tetrachloro-m-xylene [1]		81.8	30-150					7/29/17 18:17	
Tetrachloro-m-xylene [2]		83.2	30-150					7/29/17 18:17	

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

Sample Description:

Work Order: 17G0776

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-69-1

Sampled: 7/19/2017 13:36

Sample ID: 17G0776-20

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	97.1		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0776-17 [WS-AOC12W-SO-84-2B]	B182589	30.0	2.00	07/26/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17G0776-01 [WS-AOC12W-SO-62-1]	B182549	07/26/17
17G0776-02 [WS-AOC12W-SO-62-2]	B182549	07/26/17
17G0776-03 [WS-AOC12W-SO-62-3]	B182549	07/26/17
17G0776-04 [WS-AOC12W-SO-78-1]	B182549	07/26/17
17G0776-05 [WS-AOC12W-SO-78-2]	B182549	07/26/17
17G0776-06 [WS-AOC12W-SO-78-3]	B182549	07/26/17
17G0776-07 [WS-AOC12W-SO-78-4]	B182549	07/26/17
17G0776-08 [WS-AOC12W-SO-81-1]	B182549	07/26/17
17G0776-09 [WS-AOC12W-SO-81-2]	B182549	07/26/17
17G0776-10 [WS-AOC12W-SO-81-3]	B182549	07/26/17
17G0776-11 [WS-AOC12W-SO-81-4]	B182549	07/26/17
17G0776-12 [WS-AOC12W-SO-66-1]	B182549	07/26/17
17G0776-13 [WS-AOC12W-SO-66-2]	B182549	07/26/17
17G0776-14 [WS-AOC12W-SO-66-3]	B182549	07/26/17
17G0776-15 [WS-AOC12W-SO-84-1]	B182549	07/26/17
17G0776-16 [WS-AOC12W-SO-84-2A]	B182549	07/26/17
17G0776-17 [WS-AOC12W-SO-84-2B]	B182549	07/26/17
17G0776-18 [WS-AOC12W-SO-84-3]	B182549	07/26/17
17G0776-19 [WS-AOC12W-SO-84-4]	B182549	07/26/17
17G0776-20 [WS-AOC12W-SO-69-1]	B182549	07/26/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0776-17 [WS-AOC12W-SO-84-2B]	B182194	1.06	50.0	07/21/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0776-01 [WS-AOC12W-SO-62-1]	B182528	10.0	10.0	07/26/17
17G0776-02 [WS-AOC12W-SO-62-2]	B182528	10.0	10.0	07/26/17
17G0776-03 [WS-AOC12W-SO-62-3]	B182528	10.0	10.0	07/26/17
17G0776-04 [WS-AOC12W-SO-78-1]	B182528	10.0	10.0	07/26/17
17G0776-05 [WS-AOC12W-SO-78-2]	B182528	10.0	10.0	07/26/17
17G0776-06 [WS-AOC12W-SO-78-3]	B182528	10.0	10.0	07/26/17
17G0776-07 [WS-AOC12W-SO-78-4]	B182528	10.0	10.0	07/26/17
17G0776-08 [WS-AOC12W-SO-81-1]	B182528	10.0	10.0	07/26/17
17G0776-09 [WS-AOC12W-SO-81-2]	B182528	10.0	10.0	07/26/17
17G0776-10 [WS-AOC12W-SO-81-3]	B182528	10.0	10.0	07/26/17
17G0776-11 [WS-AOC12W-SO-81-4]	B182528	10.0	10.0	07/26/17
17G0776-12 [WS-AOC12W-SO-66-1]	B182528	10.0	10.0	07/26/17
17G0776-13 [WS-AOC12W-SO-66-2]	B182528	10.0	10.0	07/26/17
17G0776-14 [WS-AOC12W-SO-66-3]	B182528	10.0	10.0	07/26/17
17G0776-15 [WS-AOC12W-SO-84-1]	B182528	10.0	10.0	07/26/17
17G0776-16 [WS-AOC12W-SO-84-2A]	B182528	10.0	10.0	07/26/17
17G0776-18 [WS-AOC12W-SO-84-3]	B182528	10.0	10.0	07/26/17

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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
17G0776-19 [WS-AOC12W-SO-84-4]	B182528	10.0	10.0	07/26/17
17G0776-20 [WS-AOC12W-SO-69-1]	B182528	10.0	10.0	07/26/17

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 B182528 - SW-846 3540C										
Blank (B182528-BLK1)										
Prepared: 07/26/17 Analyzed: 07/29/17										
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	0.164		mg/Kg wet	0.200		81.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.175		mg/Kg wet	0.200		87.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.162		mg/Kg wet	0.200		81.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.168		mg/Kg wet	0.200		83.9	30-150			
LCS (B182528-BS1)										
Prepared: 07/26/17 Analyzed: 07/29/17										
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		78.8	40-140			
Aroclor-1016 [2C]	0.16	0.020	mg/Kg wet	0.200		79.0	40-140			
Aroclor-1260	0.14	0.020	mg/Kg wet	0.200		67.9	40-140			
Aroclor-1260 [2C]	0.14	0.020	mg/Kg wet	0.200		70.9	40-140			
Surrogate: Decachlorobiphenyl	0.167		mg/Kg wet	0.200		83.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.180		mg/Kg wet	0.200		89.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.168		mg/Kg wet	0.200		84.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.171		mg/Kg wet	0.200		85.6	30-150			
LCS Dup (B182528-BSD1)										
Prepared: 07/26/17 Analyzed: 07/29/17										
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		80.4	40-140	2.04	30	
Aroclor-1016 [2C]	0.16	0.020	mg/Kg wet	0.200		80.2	40-140	1.41	30	
Aroclor-1260	0.14	0.020	mg/Kg wet	0.200		71.6	40-140	5.25	30	
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		74.7	40-140	5.16	30	
Surrogate: Decachlorobiphenyl	0.173		mg/Kg wet	0.200		86.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.187		mg/Kg wet	0.200		93.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.169		mg/Kg wet	0.200		84.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.174		mg/Kg wet	0.200		87.0	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 B182528 - SW-846 3540C

Matrix Spike (B182528-MS1)

Source: 17G0776-12

Prepared: 07/26/17 Analyzed: 07/29/17

Aroclor-1016	0.18	0.11	mg/Kg dry	0.211	ND	87.5	40-140			
Aroclor-1016 [2C]	0.19	0.11	mg/Kg dry	0.211	ND	88.5	40-140			
Aroclor-1260	0.15	0.11	mg/Kg dry	0.211	ND	69.7	40-140			
Aroclor-1260 [2C]	0.17	0.11	mg/Kg dry	0.211	ND	78.6	40-140			
Surrogate: Decachlorobiphenyl	0.160		mg/Kg dry	0.211		75.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.178		mg/Kg dry	0.211		84.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.177		mg/Kg dry	0.211		83.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.181		mg/Kg dry	0.211		85.6	30-150			

Matrix Spike Dup (B182528-MSD1)

Source: 17G0776-12

Prepared: 07/26/17 Analyzed: 07/29/17

Aroclor-1016	0.18	0.11	mg/Kg dry	0.211	ND	87.2	40-140	0.295	50	
Aroclor-1016 [2C]	0.19	0.11	mg/Kg dry	0.211	ND	89.8	40-140	1.41	50	
Aroclor-1260	0.15	0.11	mg/Kg dry	0.211	ND	70.9	40-140	1.70	50	
Aroclor-1260 [2C]	0.17	0.11	mg/Kg dry	0.211	ND	79.3	40-140	0.931	50	
Surrogate: Decachlorobiphenyl	0.163		mg/Kg dry	0.211		77.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.179		mg/Kg dry	0.211		84.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.176		mg/Kg dry	0.211		83.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.176		mg/Kg dry	0.211		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 B182589 - SW-846 3546										
Blank (B182589-BLK1)										
					Prepared: 07/26/17 Analyzed: 07/27/17					
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	3.17		mg/Kg wet	3.33		95.1	50-150			
LCS (B182589-BS1)										
					Prepared: 07/26/17 Analyzed: 07/27/17					
CT ETPH	32.7	10	mg/Kg wet	33.3		98.1	60-120			
Surrogate: o-Terphenyl	2.50		mg/Kg wet	3.33		75.1	50-150			
LCS Dup (B182589-BSD1)										
					Prepared: 07/26/17 Analyzed: 07/27/17					
CT ETPH	29.7	10	mg/Kg wet	33.3		89.0	60-120	9.67	30	
Surrogate: o-Terphenyl	2.58		mg/Kg wet	3.33		77.4	50-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B182194 - SW-846 3050B										
Blank (B182194-BLK1)										
					Prepared: 07/21/17 Analyzed: 07/24/17					
Arsenic	ND	2.5	mg/Kg wet							
LCS (B182194-BS1)										
					Prepared: 07/21/17 Analyzed: 07/24/17					
Arsenic	51.6	5.0	mg/Kg wet	57.0		90.5	77.8-122.1			
LCS Dup (B182194-BSD1)										
					Prepared: 07/21/17 Analyzed: 07/24/17					
Arsenic	51.2	4.9	mg/Kg wet	57.0		89.9	77.8-122.1	0.723	30	

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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 B182549 - % Solids										
Duplicate (B182549-DUP3)	Source: 17G0776-12			Prepared: 07/26/17 Analyzed: 07/27/17						
% Solids	94.3		% Wt		94.6			0.318	20	
Duplicate (B182549-DUP4)	Source: 17G0776-13			Prepared: 07/26/17 Analyzed: 07/27/17						
% Solids	91.0		% Wt		90.3			0.772	20	

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

SW-846 8082A

Lab Sample ID: B182528-BS1 Date(s) Analyzed: 07/29/2017 07/29/2017

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	0.16	
	2	0.000	-0.030	0.030	0.16	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.14	
	2	0.000	-0.030	0.030	0.14	0.0

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

LCS Dup

Lab Sample ID: B182528-BSD1 Date(s) Analyzed: 07/29/2017 07/29/2017

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	0.16	
	2	0.000	-0.030	0.030	0.16	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.14	
	2	0.000	-0.030	0.030	0.15	6.9

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

Matrix Spike

Lab Sample ID: B182528-MS1 Date(s) Analyzed: 07/29/2017 07/29/2017

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	0.18	
	2	0.000	-0.030	0.030	0.19	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.15	
	2	0.000	-0.030	0.030	0.17	12.5

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

Matrix Spike Dup

SW-846 8082A

Lab Sample ID: B182528-MSD1 Date(s) Analyzed: 07/29/2017 07/29/2017

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	0.18	
	2	0.000	-0.030	0.030	0.19	5.4
Aroclor-1260	1	0.000	-0.030	0.030	0.15	
	2	0.000	-0.030	0.030	0.17	12.5

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
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.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
SW-846 6010C-D in Soil	
Arsenic	CT,NH,NY,ME,VA,NC
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

1760776

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
Date 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-Proc 12W-50-62-1	7/19/17	11:44		X	S	V
2	WS-Proc 12W-50-62-2		11:45				
3	WS-Proc 12W-50-62-3		11:46				
4	WS-Proc 12W-50-78-1		11:40				
5	WS-Proc 12W-50-78-2		11:42				
6	WS-Proc 12W-50-78-3		11:44				
7	WS-Proc 12W-50-78-4		11:46				
8	WS-Proc 12W-50-81-1		12:18				
9	WS-Proc 12W-50-81-2		12:20				
10	WS-Proc 12W-50-81-3		12:22				

ANALYSIS REQUESTED

SPLP PCBs
 (Soxhlet) PCBs
 PAHs
 ETPH
 SPLP ETPH
 Arsenic

- 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

Program Information

- MCP Analytical Certification Form Required
 RCP Analysis Certification Form Required
 MA State DW Form Required
 PWSID # _____
 NELAC and AIHA-LAP, LLC Accredited

Please hold excess volumes for possible SPLP analyses.

Relinquished by: (signature)	Date/Time
<i>[Signature]</i>	7/19/17 1530
<i>[Signature]</i>	7/19/17 1530
<i>[Signature]</i>	7/19/17 1740
<i>[Signature]</i>	7/19/17 1740
<i>[Signature]</i>	7/19/17 1740
<i>[Signature]</i>	7/19/17 1740

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: 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)
Invoice Recipient: Malcolm Beeler (Weston & Sampson)
Sampled By: Chris Berthiaume/Witt 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-A0C12W-50-81-4	7/19/17	12:04		X	S	V
12	WS-A0C12W-50-66-1 (MS-MSD)		12:03				
13	WS-A0C12W-50-66-2		12:04				
14	WS-A0C12W-50-66-3		12:05				
15	WS-A0C12W-50-84-1		12:26				
16	WS-A0C12W-50-84-2A		12:28				
17	WS-A0C12W-50-84-2B		12:30				
18	WS-A0C12W-50-84-3		12:32				
19	WS-A0C12W-50-84-9		12:34				
20	WS-A0C12W-50-69-1		13:36				

Comments: WS-A0C12W-50-66-1 (MS-MSD)

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: 7/19/17 15:30
Received by: (signature) Date/Time: 7/19/17 15:30
Relinquished by: (signature) Date/Time: 7/19/17 17:40
Received by: (signature) Date/Time: 7/19/17 17:40
Relinquished by: (signature) Date/Time: _____
Received by: (signature) Date/Time: _____

ANALYSIS REQUESTED	Conc Code	Matrix Code	Grab	Composite	Ending Date/Time	Beginning Date/Time
SPLP PCBs (Soxhlet) .PCBs	X	S	X		12:04	7/19/17
PAHs	X	S			12:03	
ETPH	X	S			12:04	
SPLP ETPH	X	S			12:05	
Arsenic	X	S			12:26	

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

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 7/19/17 Time 1740
 How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
 Direct from Sampling _____ Ambient _____ Melted Ice _____
 Were samples within Temperature? 2-6°C T By Gun # 2 Actual Temp - 3.4, 2.9, 4.1
 By Blank # _____ Actual Temp - _____
 Was Custody Seal Intact? N/A Were Samples Tampered with? F
 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.		1 Liter Plastic	16 oz Amb.
HCL-	<u>20</u>	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: 17G0776

Laboratory Sample ID(s):

Sample Date(s):

17G0776-01 thru 17G0776-20

07/19/2017

List RCP Methods Used:

CTDEP ETPH, SW-846 6010C-D, 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 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:

Lisa Worthington

Position: Project Manager

Printed Name: Lisa A. Worthington

Date: 08/03/17

Name of Laboratory: Con-Test Analytical Laboratory

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

August 3, 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: 17G0777

Enclosed are results of analyses for samples received by the laboratory on July 19, 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: 8/3/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G0777

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-AOC12W-SO-69-2	17G0777-01	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-69-3	17G0777-02	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-73-1A	17G0777-03	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-73-1B	17G0777-04	Soil		CTDEP ETPH SM 2540G SW-846 6010C-D SW-846 8270D	
WS-AOC12W-SO-73-2	17G0777-05	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-73-3	17G0777-06	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-85-1	17G0777-07	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-85-2A	17G0777-08	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-85-2B	17G0777-09	Soil		SM 2540G SW-846 8270D	
WS-AOC12W-SO-85-3	17G0777-10	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-85-4	17G0777-11	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-82-1	17G0777-12	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-82-2	17G0777-13	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-82-3	17G0777-14	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-82-4	17G0777-15	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-77-1	17G0777-16	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-77-2	17G0777-17	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-77-3	17G0777-18	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-77-4	17G0777-19	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: 8/3/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G0777

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-AOC12W-SO-79-1	17G0777-20	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.

For method 6010, only As was requested and reported.

For method 8270, only PAHs were requested and reported.

SW-846 8270D**Qualifications:****E**

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

Analyte & Samples(s) Qualified:**Benzo(b)fluoranthene**

17G0777-09[WS-AOC12W-SO-85-2B]

Fluoranthene

17G0777-09[WS-AOC12W-SO-85-2B]

Pyrene

17G0777-09[WS-AOC12W-SO-85-2B]

SW-846 6010C/D SW-846 6020A/B

For NC, Metals methods SW-846 6010D and SW-846 6020B are followed, and for all other states methods SW-846 6010C and SW-846 6020A are followed.

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

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



Lisa A. Worthington
Project Manager

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

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

Sample Description:

Work Order: 17G0777

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-69-2

Sampled: 7/19/2017 13:38

Sample ID: 17G0777-01

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	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 17:40	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 17:40	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 17:40	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 17:40	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 17:40	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 17:40	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 17:40	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 17:40	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 17:40	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		75.1	30-150					7/28/17 17:40	
Decachlorobiphenyl [2]		99.7	30-150					7/28/17 17:40	
Tetrachloro-m-xylene [1]		88.5	30-150					7/28/17 17:40	
Tetrachloro-m-xylene [2]		88.3	30-150					7/28/17 17:40	

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: 17G0777

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-69-2

Sampled: 7/19/2017 13:38

Sample ID: 17G0777-01

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.4		% Wt	1		SM 2540G	7/26/17	7/27/17 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: 17G0777

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-69-3

Sampled: 7/19/2017 13:40

Sample ID: 17G0777-02

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	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 17:58	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 17:58	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 17:58	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 17:58	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 17:58	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 17:58	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 17:58	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 17:58	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 17:58	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		66.6	30-150					7/28/17 17:58	
Decachlorobiphenyl [2]		86.9	30-150					7/28/17 17:58	
Tetrachloro-m-xylene [1]		78.8	30-150					7/28/17 17:58	
Tetrachloro-m-xylene [2]		82.1	30-150					7/28/17 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: 17G0777

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-69-3

Sampled: 7/19/2017 13:40

Sample ID: 17G0777-02

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	82.2		% Wt	1		SM 2540G	7/26/17	7/27/17 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: 17G0777

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-73-1A

Sampled: 7/19/2017 13:57

Sample ID: 17G0777-03

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	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 18:15	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 18:15	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 18:15	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 18:15	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 18:15	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 18:15	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 18:15	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 18:15	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 18:15	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		74.4	30-150					7/28/17 18:15	
Decachlorobiphenyl [2]		97.4	30-150					7/28/17 18:15	
Tetrachloro-m-xylene [1]		95.6	30-150					7/28/17 18:15	
Tetrachloro-m-xylene [2]		107	30-150					7/28/17 18:15	

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

Sample Description:

Work Order: 17G0777

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-73-1A

Sampled: 7/19/2017 13:57

Sample ID: 17G0777-03

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.5		% Wt	1		SM 2540G	7/26/17	7/27/17 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: 17G0777

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-73-1B

Sampled: 7/19/2017 13:58

Sample ID: 17G0777-04

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	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:29	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:29	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:29	BGL
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:29	BGL
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:29	BGL
Benzo(b)fluoranthene	0.30	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:29	BGL
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:29	BGL
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:29	BGL
Chrysene	0.43	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:29	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:29	BGL
Fluoranthene	0.31	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:29	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:29	BGL
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:29	BGL
2-Methylnaphthalene	0.98	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:29	BGL
Naphthalene	0.39	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:29	BGL
Phenanthrene	1.2	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:29	BGL
Pyrene	0.30	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:29	BGL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Nitrobenzene-d5		71.8	30-130					7/31/17 13:29	
2-Fluorobiphenyl		69.6	30-130					7/31/17 13:29	
p-Terphenyl-d14		83.3	30-130					7/31/17 13:29	

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

Sample Description:

Work Order: 17G0777

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-73-1B

Sampled: 7/19/2017 13:58

Sample ID: 17G0777-04

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	260	110	mg/Kg dry	10		CTDEP ETPH	7/26/17	8/2/17 18:12	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl		101		50-150				8/2/17 18:12	

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

Sample Description:

Work Order: 17G0777

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-73-1B

Sampled: 7/19/2017 13:58

Sample ID: 17G0777-04

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	4.7	2.7	mg/Kg dry	1		SW-846 6010C-D	7/21/17	7/24/17 18:05	QNW

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

Sample Description:

Work Order: 17G0777

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-73-1B

Sampled: 7/19/2017 13:58

Sample ID: 17G0777-04

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.5		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0777

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-73-2

Sampled: 7/19/2017 13:59

Sample ID: 17G0777-05

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	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 18:33	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 18:33	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 18:33	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 18:33	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 18:33	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 18:33	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 18:33	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 18:33	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 18:33	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		71.0	30-150					7/28/17 18:33	
Decachlorobiphenyl [2]		92.9	30-150					7/28/17 18:33	
Tetrachloro-m-xylene [1]		85.1	30-150					7/28/17 18:33	
Tetrachloro-m-xylene [2]		89.0	30-150					7/28/17 18:33	

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: 17G0777

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-73-2

Sampled: 7/19/2017 13:59

Sample ID: 17G0777-05

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.4		% Wt	1		SM 2540G	7/26/17	7/27/17 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: 17G0777

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-73-3

Sampled: 7/19/2017 14:00

Sample ID: 17G0777-06

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	0.14	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 18:50	KAL
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 18:50	KAL
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 18:50	KAL
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 18:50	KAL
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 18:50	KAL
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 18:50	KAL
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 18:50	KAL
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 18:50	KAL
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 18:50	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		81.5	30-150					7/28/17 18:50	
Decachlorobiphenyl [2]		109	30-150					7/28/17 18:50	
Tetrachloro-m-xylene [1]		98.4	30-150					7/28/17 18:50	
Tetrachloro-m-xylene [2]		109	30-150					7/28/17 18:50	

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: 17G0777

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-73-3

Sampled: 7/19/2017 14:00

Sample ID: 17G0777-06

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	69.9		% Wt	1		SM 2540G	7/26/17	7/27/17 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: 17G0777

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-85-1

Sampled: 7/19/2017 14:00

Sample ID: 17G0777-07

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	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 19:08	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 19:08	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 19:08	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 19:08	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 19:08	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 19:08	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 19:08	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 19:08	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 19:08	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		71.0	30-150					7/28/17 19:08	
Decachlorobiphenyl [2]		92.3	30-150					7/28/17 19:08	
Tetrachloro-m-xylene [1]		88.6	30-150					7/28/17 19:08	
Tetrachloro-m-xylene [2]		94.1	30-150					7/28/17 19:08	

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: 17G0777

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-85-1

Sampled: 7/19/2017 14:00

Sample ID: 17G0777-07

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	97.6		% Wt	1		SM 2540G	7/26/17	7/27/17 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: 17G0777

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-85-2A

Sampled: 7/19/2017 14:02

Sample ID: 17G0777-08

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	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 19:26	KAL
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 19:26	KAL
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 19:26	KAL
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 19:26	KAL
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 19:26	KAL
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 19:26	KAL
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 19:26	KAL
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 19:26	KAL
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 19:26	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		65.6	30-150					7/28/17 19:26	
Decachlorobiphenyl [2]		86.0	30-150					7/28/17 19:26	
Tetrachloro-m-xylene [1]		80.9	30-150					7/28/17 19:26	
Tetrachloro-m-xylene [2]		80.8	30-150					7/28/17 19:26	

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: 17G0777

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-85-2A

Sampled: 7/19/2017 14:02

Sample ID: 17G0777-08

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	78.4		% Wt	1		SM 2540G	7/26/17	7/27/17 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: 17G0777

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-85-2B

Sampled: 7/19/2017 14:04

Sample ID: 17G0777-09

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	0.50	0.36	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:54	BGL
Acenaphthene	ND	0.71	mg/Kg dry	2		SW-846 8270D	7/26/17	7/31/17 14:51	BGL
Acenaphthylene	1.6	0.36	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:54	BGL
Acenaphthylene	1.5	0.71	mg/Kg dry	2		SW-846 8270D	7/26/17	7/31/17 14:51	BGL
Anthracene	2.5	0.36	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:54	BGL
Anthracene	2.2	0.71	mg/Kg dry	2		SW-846 8270D	7/26/17	7/31/17 14:51	BGL
Benzo(a)anthracene	5.4	0.36	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:54	BGL
Benzo(a)anthracene	5.3	0.71	mg/Kg dry	2		SW-846 8270D	7/26/17	7/31/17 14:51	BGL
Benzo(a)pyrene	6.2	0.36	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:54	BGL
Benzo(a)pyrene	5.9	0.71	mg/Kg dry	2		SW-846 8270D	7/26/17	7/31/17 14:51	BGL
Benzo(b)fluoranthene	8.5	0.36	mg/Kg dry	1	E	SW-846 8270D	7/26/17	7/31/17 13:54	BGL
Benzo(b)fluoranthene	7.8	0.71	mg/Kg dry	2		SW-846 8270D	7/26/17	7/31/17 14:51	BGL
Benzo(g,h,i)perylene	4.6	0.36	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:54	BGL
Benzo(g,h,i)perylene	4.4	0.71	mg/Kg dry	2		SW-846 8270D	7/26/17	7/31/17 14:51	BGL
Benzo(k)fluoranthene	2.9	0.36	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:54	BGL
Benzo(k)fluoranthene	3.1	0.71	mg/Kg dry	2		SW-846 8270D	7/26/17	7/31/17 14:51	BGL
Chrysene	6.2	0.36	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:54	BGL
Chrysene	6.1	0.71	mg/Kg dry	2		SW-846 8270D	7/26/17	7/31/17 14:51	BGL
Dibenz(a,h)anthracene	0.58	0.36	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:54	BGL
Dibenz(a,h)anthracene	ND	0.71	mg/Kg dry	2		SW-846 8270D	7/26/17	7/31/17 14:51	BGL
Fluoranthene	11	0.36	mg/Kg dry	1	E	SW-846 8270D	7/26/17	7/31/17 13:54	BGL
Fluoranthene	10	0.71	mg/Kg dry	2		SW-846 8270D	7/26/17	7/31/17 14:51	BGL
Fluorene	0.94	0.36	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:54	BGL
Fluorene	0.80	0.71	mg/Kg dry	2		SW-846 8270D	7/26/17	7/31/17 14:51	BGL
Indeno(1,2,3-cd)pyrene	4.6	0.36	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:54	BGL
Indeno(1,2,3-cd)pyrene	4.4	0.71	mg/Kg dry	2		SW-846 8270D	7/26/17	7/31/17 14:51	BGL
2-Methylnaphthalene	3.0	0.36	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:54	BGL
2-Methylnaphthalene	2.9	0.71	mg/Kg dry	2		SW-846 8270D	7/26/17	7/31/17 14:51	BGL
Naphthalene	5.8	0.36	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:54	BGL
Naphthalene	5.7	0.71	mg/Kg dry	2		SW-846 8270D	7/26/17	7/31/17 14:51	BGL
Phenanthrene	6.9	0.36	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:54	BGL
Phenanthrene	6.6	0.71	mg/Kg dry	2		SW-846 8270D	7/26/17	7/31/17 14:51	BGL
Pyrene	12	0.36	mg/Kg dry	1	E	SW-846 8270D	7/26/17	7/31/17 13:54	BGL
Pyrene	12	0.71	mg/Kg dry	2		SW-846 8270D	7/26/17	7/31/17 14:51	BGL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Nitrobenzene-d5		61.4	30-130					7/31/17 13:54	
Nitrobenzene-d5		58.9	30-130					7/31/17 14:51	
2-Fluorobiphenyl		62.9	30-130					7/31/17 13:54	
2-Fluorobiphenyl		60.4	30-130					7/31/17 14:51	
p-Terphenyl-d14		80.3	30-130					7/31/17 13:54	
p-Terphenyl-d14		79.4	30-130					7/31/17 14:51	

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: 17G0777

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-85-2B

Sampled: 7/19/2017 14:04

Sample ID: 17G0777-09

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	47.6		% Wt	1		SM 2540G	7/26/17	7/27/17 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: 17G0777

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-85-3

Sampled: 7/19/2017 14:06

Sample ID: 17G0777-10

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	0.17	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 19:43	KAL
Aroclor-1221 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 19:43	KAL
Aroclor-1232 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 19:43	KAL
Aroclor-1242 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 19:43	KAL
Aroclor-1248 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 19:43	KAL
Aroclor-1254 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 19:43	KAL
Aroclor-1260 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 19:43	KAL
Aroclor-1262 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 19:43	KAL
Aroclor-1268 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 19:43	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		59.8	30-150					7/28/17 19:43	
Decachlorobiphenyl [2]		78.0	30-150					7/28/17 19:43	
Tetrachloro-m-xylene [1]		82.1	30-150					7/28/17 19:43	
Tetrachloro-m-xylene [2]		82.4	30-150					7/28/17 19:43	

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

Sample Description:

Work Order: 17G0777

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-85-3

Sampled: 7/19/2017 14:06

Sample ID: 17G0777-10

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	60.2		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0777

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-85-4

Sampled: 7/19/2017 14:08

Sample ID: 17G0777-11

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	0.17	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 20:01	KAL
Aroclor-1221 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 20:01	KAL
Aroclor-1232 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 20:01	KAL
Aroclor-1242 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 20:01	KAL
Aroclor-1248 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 20:01	KAL
Aroclor-1254 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 20:01	KAL
Aroclor-1260 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 20:01	KAL
Aroclor-1262 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 20:01	KAL
Aroclor-1268 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 20:01	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		73.6	30-150					7/28/17 20:01	
Decachlorobiphenyl [2]		93.1	30-150					7/28/17 20:01	
Tetrachloro-m-xylene [1]		79.3	30-150					7/28/17 20:01	
Tetrachloro-m-xylene [2]		81.3	30-150					7/28/17 20:01	

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

Sample Description:

Work Order: 17G0777

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-85-4

Sampled: 7/19/2017 14:08

Sample ID: 17G0777-11

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	58.3		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0777

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-82-1

Sampled: 7/19/2017 14:10

Sample ID: 17G0777-12

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	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 20:18	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 20:18	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 20:18	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 20:18	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 20:18	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 20:18	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 20:18	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 20:18	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 20:18	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		70.5	30-150					7/28/17 20:18	
Decachlorobiphenyl [2]		91.9	30-150					7/28/17 20:18	
Tetrachloro-m-xylene [1]		76.7	30-150					7/28/17 20:18	
Tetrachloro-m-xylene [2]		79.1	30-150					7/28/17 20:18	

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: 17G0777

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-82-1

Sampled: 7/19/2017 14:10

Sample ID: 17G0777-12

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.9		% Wt	1		SM 2540G	7/26/17	7/27/17 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: 17G0777

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-82-2

Sampled: 7/19/2017 14:12

Sample ID: 17G0777-13

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	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 21:19	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 21:19	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 21:19	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 21:19	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 21:19	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 21:19	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 21:19	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 21:19	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 21:19	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		79.8	30-150					7/28/17 21:19	
Decachlorobiphenyl [2]		107	30-150					7/28/17 21:19	
Tetrachloro-m-xylene [1]		81.9	30-150					7/28/17 21:19	
Tetrachloro-m-xylene [2]		85.5	30-150					7/28/17 21:19	

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: 17G0777

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-82-2

Sampled: 7/19/2017 14:12

Sample ID: 17G0777-13

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	94.7		% Wt	1		SM 2540G	7/26/17	7/27/17 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: 17G0777

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-82-3

Sampled: 7/19/2017 14:14

Sample ID: 17G0777-14

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	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 21:37	KAL
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 21:37	KAL
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 21:37	KAL
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 21:37	KAL
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 21:37	KAL
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 21:37	KAL
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 21:37	KAL
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 21:37	KAL
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 21:37	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		75.4	30-150					7/28/17 21:37	
Decachlorobiphenyl [2]		96.8	30-150					7/28/17 21:37	
Tetrachloro-m-xylene [1]		87.1	30-150					7/28/17 21:37	
Tetrachloro-m-xylene [2]		88.6	30-150					7/28/17 21:37	

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: 17G0777

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-82-3

Sampled: 7/19/2017 14:14

Sample ID: 17G0777-14

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	77.8		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0777

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-82-4

Sampled: 7/19/2017 14:16

Sample ID: 17G0777-15

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	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 21:54	KAL
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 21:54	KAL
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 21:54	KAL
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 21:54	KAL
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 21:54	KAL
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 21:54	KAL
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 21:54	KAL
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 21:54	KAL
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 21:54	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		67.6	30-150					7/28/17 21:54	
Decachlorobiphenyl [2]		84.7	30-150					7/28/17 21:54	
Tetrachloro-m-xylene [1]		78.5	30-150					7/28/17 21:54	
Tetrachloro-m-xylene [2]		78.0	30-150					7/28/17 21:54	

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: 17G0777

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-82-4

Sampled: 7/19/2017 14:16

Sample ID: 17G0777-15

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	76.2		% Wt	1		SM 2540G	7/26/17	7/27/17 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: 17G0777

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-77-1

Sampled: 7/19/2017 14:14

Sample ID: 17G0777-16

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	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 22:12	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 22:12	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 22:12	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 22:12	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 22:12	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 22:12	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 22:12	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 22:12	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 22:12	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		67.6	30-150					7/28/17 22:12	
Decachlorobiphenyl [2]		84.8	30-150					7/28/17 22:12	
Tetrachloro-m-xylene [1]		79.8	30-150					7/28/17 22:12	
Tetrachloro-m-xylene [2]		81.3	30-150					7/28/17 22:12	

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: 17G0777

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-77-1

Sampled: 7/19/2017 14:14

Sample ID: 17G0777-16

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.8		% Wt	1		SM 2540G	7/26/17	7/27/17 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: 17G0777

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-77-2

Sampled: 7/19/2017 14:15

Sample ID: 17G0777-17

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	5		SW-846 8082A	7/26/17	7/28/17 22:29	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 22:29	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 22:29	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 22:29	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 22:29	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 22:29	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 22:29	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 22:29	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 22:29	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		73.5	30-150					7/28/17 22:29	
Decachlorobiphenyl [2]		87.3	30-150					7/28/17 22:29	
Tetrachloro-m-xylene [1]		87.1	30-150					7/28/17 22:29	
Tetrachloro-m-xylene [2]		90.1	30-150					7/28/17 22:29	

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: 17G0777

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-77-2

Sampled: 7/19/2017 14:15

Sample ID: 17G0777-17

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	91.8		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0777

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-77-3

Sampled: 7/19/2017 14:16

Sample ID: 17G0777-18

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	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 22:47	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 22:47	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 22:47	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 22:47	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 22:47	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 22:47	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 22:47	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 22:47	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 22:47	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		75.8	30-150					7/28/17 22:47	
Decachlorobiphenyl [2]		92.1	30-150					7/28/17 22:47	
Tetrachloro-m-xylene [1]		88.3	30-150					7/28/17 22:47	
Tetrachloro-m-xylene [2]		88.4	30-150					7/28/17 22:47	

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

Sample Description:

Work Order: 17G0777

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-77-3

Sampled: 7/19/2017 14:16

Sample ID: 17G0777-18

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	89.7		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0777

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-77-4

Sampled: 7/19/2017 14:17

Sample ID: 17G0777-19

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	5		SW-846 8082A	7/26/17	7/28/17 23:04	KAL
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 23:04	KAL
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 23:04	KAL
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 23:04	KAL
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 23:04	KAL
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 23:04	KAL
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 23:04	KAL
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 23:04	KAL
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 23:04	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		69.1	30-150					7/28/17 23:04	
Decachlorobiphenyl [2]		85.0	30-150					7/28/17 23:04	
Tetrachloro-m-xylene [1]		90.7	30-150					7/28/17 23:04	
Tetrachloro-m-xylene [2]		98.7	30-150					7/28/17 23:04	

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

Sample Description:

Work Order: 17G0777

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-77-4

Sampled: 7/19/2017 14:17

Sample ID: 17G0777-19

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	73.1		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0777

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-79-1

Sampled: 7/19/2017 14:30

Sample ID: 17G0777-20

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	5		SW-846 8082A	7/26/17	7/28/17 23:22	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 23:22	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 23:22	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 23:22	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 23:22	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 23:22	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 23:22	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 23:22	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	7/28/17 23:22	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		69.0	30-150					7/28/17 23:22	
Decachlorobiphenyl [2]		84.9	30-150					7/28/17 23:22	
Tetrachloro-m-xylene [1]		93.3	30-150					7/28/17 23:22	
Tetrachloro-m-xylene [2]		103	30-150					7/28/17 23:22	

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: 17G0777

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-79-1

Sampled: 7/19/2017 14:30

Sample ID: 17G0777-20

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	98.8		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0777-04 [WS-AOC12W-SO-73-1B]	B182589	30.0	1.00	07/26/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17G0777-01 [WS-AOC12W-SO-69-2]	B182549	07/26/17
17G0777-02 [WS-AOC12W-SO-69-3]	B182549	07/26/17
17G0777-03 [WS-AOC12W-SO-73-1A]	B182549	07/26/17
17G0777-04 [WS-AOC12W-SO-73-1B]	B182549	07/26/17
17G0777-05 [WS-AOC12W-SO-73-2]	B182549	07/26/17
17G0777-06 [WS-AOC12W-SO-73-3]	B182549	07/26/17
17G0777-07 [WS-AOC12W-SO-85-1]	B182549	07/26/17
17G0777-08 [WS-AOC12W-SO-85-2A]	B182549	07/26/17
17G0777-09 [WS-AOC12W-SO-85-2B]	B182549	07/26/17
17G0777-10 [WS-AOC12W-SO-85-3]	B182549	07/26/17
17G0777-11 [WS-AOC12W-SO-85-4]	B182549	07/26/17
17G0777-12 [WS-AOC12W-SO-82-1]	B182549	07/26/17
17G0777-13 [WS-AOC12W-SO-82-2]	B182549	07/26/17
17G0777-14 [WS-AOC12W-SO-82-3]	B182549	07/26/17
17G0777-15 [WS-AOC12W-SO-82-4]	B182549	07/26/17
17G0777-16 [WS-AOC12W-SO-77-1]	B182549	07/26/17
17G0777-17 [WS-AOC12W-SO-77-2]	B182549	07/26/17
17G0777-18 [WS-AOC12W-SO-77-3]	B182549	07/26/17
17G0777-19 [WS-AOC12W-SO-77-4]	B182549	07/26/17
17G0777-20 [WS-AOC12W-SO-79-1]	B182549	07/26/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0777-04 [WS-AOC12W-SO-73-1B]	B182194	1.01	50.0	07/21/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0777-01 [WS-AOC12W-SO-69-2]	B182529	10.0	10.0	07/26/17
17G0777-02 [WS-AOC12W-SO-69-3]	B182529	10.0	10.0	07/26/17
17G0777-03 [WS-AOC12W-SO-73-1A]	B182529	10.0	10.0	07/26/17
17G0777-05 [WS-AOC12W-SO-73-2]	B182529	10.0	10.0	07/26/17
17G0777-06 [WS-AOC12W-SO-73-3]	B182529	10.0	10.0	07/26/17
17G0777-07 [WS-AOC12W-SO-85-1]	B182529	10.0	10.0	07/26/17
17G0777-08 [WS-AOC12W-SO-85-2A]	B182529	10.0	10.0	07/26/17
17G0777-10 [WS-AOC12W-SO-85-3]	B182529	10.0	10.0	07/26/17
17G0777-11 [WS-AOC12W-SO-85-4]	B182529	10.0	10.0	07/26/17
17G0777-12 [WS-AOC12W-SO-82-1]	B182529	10.0	10.0	07/26/17
17G0777-13 [WS-AOC12W-SO-82-2]	B182529	10.0	10.0	07/26/17
17G0777-14 [WS-AOC12W-SO-82-3]	B182529	10.0	10.0	07/26/17
17G0777-15 [WS-AOC12W-SO-82-4]	B182529	10.0	10.0	07/26/17
17G0777-16 [WS-AOC12W-SO-77-1]	B182529	10.0	10.0	07/26/17
17G0777-17 [WS-AOC12W-SO-77-2]	B182529	10.0	10.0	07/26/17
17G0777-18 [WS-AOC12W-SO-77-3]	B182529	10.0	10.0	07/26/17
17G0777-19 [WS-AOC12W-SO-77-4]	B182529	10.0	10.0	07/26/17

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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
17G0777-20 [WS-AOC12W-SO-79-1]	B182529	10.0	10.0	07/26/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0777-04 [WS-AOC12W-SO-73-1B]	B182604	30.0	1.00	07/26/17
17G0777-09 [WS-AOC12W-SO-85-2B]	B182604	30.0	1.00	07/26/17
17G0777-09RE1 [WS-AOC12W-SO-85-2B]	B182604	30.0	1.00	07/26/17

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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 B182604 - SW-846 3546										
Blank (B182604-BLK1)										
Prepared: 07/26/17 Analyzed: 07/27/17										
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	2.42		mg/Kg wet	3.33		72.6	30-130			
Surrogate: 2-Fluorobiphenyl	2.38		mg/Kg wet	3.33		71.4	30-130			
Surrogate: p-Terphenyl-d14	2.72		mg/Kg wet	3.33		81.5	30-130			
LCS (B182604-BS1)										
Prepared: 07/26/17 Analyzed: 07/27/17										
Acenaphthene	0.860	0.17	mg/Kg wet	1.67		51.6	40-140			
Acenaphthylene	0.832	0.17	mg/Kg wet	1.67		49.9	40-140			
Anthracene	0.914	0.17	mg/Kg wet	1.67		54.8	40-140			
Benzo(a)anthracene	0.935	0.17	mg/Kg wet	1.67		56.1	40-140			
Benzo(a)pyrene	0.940	0.17	mg/Kg wet	1.67		56.4	40-140			
Benzo(b)fluoranthene	0.852	0.17	mg/Kg wet	1.67		51.1	40-140			
Benzo(g,h,i)perylene	1.11	0.17	mg/Kg wet	1.67		66.4	40-140			
Benzo(k)fluoranthene	0.863	0.17	mg/Kg wet	1.67		51.8	40-140			
Chrysene	0.934	0.17	mg/Kg wet	1.67		56.0	40-140			
Dibenz(a,h)anthracene	1.03	0.17	mg/Kg wet	1.67		61.8	40-140			
Fluoranthene	0.889	0.17	mg/Kg wet	1.67		53.3	40-140			
Fluorene	0.876	0.17	mg/Kg wet	1.67		52.6	40-140			
Indeno(1,2,3-cd)pyrene	0.984	0.17	mg/Kg wet	1.67		59.1	40-140			
2-Methylnaphthalene	0.851	0.17	mg/Kg wet	1.67		51.0	40-140			
Naphthalene	0.836	0.17	mg/Kg wet	1.67		50.1	40-140			
Phenanthrene	0.915	0.17	mg/Kg wet	1.67		54.9	40-140			
Pyrene	0.887	0.17	mg/Kg wet	1.67		53.2	40-140			
Surrogate: Nitrobenzene-d5	1.92		mg/Kg wet	3.33		57.6	30-130			
Surrogate: 2-Fluorobiphenyl	1.93		mg/Kg wet	3.33		57.9	30-130			
Surrogate: p-Terphenyl-d14	2.13		mg/Kg wet	3.33		63.8	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 B182604 - SW-846 3546										
LCS Dup (B182604-BSD1)										
					Prepared: 07/26/17 Analyzed: 07/27/17					
Acenaphthene	1.04	0.17	mg/Kg wet	1.67		62.7	40-140	19.3	30	
Acenaphthylene	1.02	0.17	mg/Kg wet	1.67		61.1	40-140	20.0	30	
Anthracene	1.12	0.17	mg/Kg wet	1.67		67.1	40-140	20.1	30	
Benzo(a)anthracene	1.13	0.17	mg/Kg wet	1.67		68.0	40-140	19.2	30	
Benzo(a)pyrene	1.12	0.17	mg/Kg wet	1.67		66.9	40-140	17.1	30	
Benzo(b)fluoranthene	1.01	0.17	mg/Kg wet	1.67		60.8	40-140	17.2	30	
Benzo(g,h,i)perylene	1.35	0.17	mg/Kg wet	1.67		81.1	40-140	20.0	30	
Benzo(k)fluoranthene	1.04	0.17	mg/Kg wet	1.67		62.3	40-140	18.4	30	
Chrysene	1.11	0.17	mg/Kg wet	1.67		66.7	40-140	17.4	30	
Dibenz(a,h)anthracene	1.26	0.17	mg/Kg wet	1.67		75.9	40-140	20.4	30	
Fluoranthene	1.11	0.17	mg/Kg wet	1.67		66.8	40-140	22.5	30	
Fluorene	1.06	0.17	mg/Kg wet	1.67		63.6	40-140	19.0	30	
Indeno(1,2,3-cd)pyrene	1.27	0.17	mg/Kg wet	1.67		76.0	40-140	25.1	30	
2-Methylnaphthalene	1.04	0.17	mg/Kg wet	1.67		62.4	40-140	20.1	30	
Naphthalene	1.01	0.17	mg/Kg wet	1.67		60.5	40-140	18.8	30	
Phenanthrene	1.10	0.17	mg/Kg wet	1.67		66.2	40-140	18.7	30	
Pyrene	1.12	0.17	mg/Kg wet	1.67		67.2	40-140	23.2	30	
Surrogate: Nitrobenzene-d5	2.33		mg/Kg wet	3.33		70.0	30-130			
Surrogate: 2-Fluorobiphenyl	2.33		mg/Kg wet	3.33		69.9	30-130			
Surrogate: p-Terphenyl-d14	2.60		mg/Kg wet	3.33		78.0	30-130			

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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 B182529 - SW-846 3540C										
Blank (B182529-BLK1)										
Prepared: 07/26/17 Analyzed: 07/27/17										
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		83.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.159		mg/Kg wet	0.200		79.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.171		mg/Kg wet	0.200		85.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.160		mg/Kg wet	0.200		80.0	30-150			
LCS (B182529-BS1)										
Prepared: 07/26/17 Analyzed: 07/27/17										
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		90.2	40-140			
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		89.4	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		79.6	40-140			
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		73.7	40-140			
Surrogate: Decachlorobiphenyl	0.167		mg/Kg wet	0.200		83.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.157		mg/Kg wet	0.200		78.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.175		mg/Kg wet	0.200		87.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.164		mg/Kg wet	0.200		81.8	30-150			
LCS Dup (B182529-BSD1)										
Prepared: 07/26/17 Analyzed: 07/27/17										
Aroclor-1016	0.15	0.020	mg/Kg wet	0.200		75.6	40-140	17.6	30	
Aroclor-1016 [2C]	0.15	0.020	mg/Kg wet	0.200		76.8	40-140	15.1	30	
Aroclor-1260	0.13	0.020	mg/Kg wet	0.200		65.7	40-140	19.1	30	
Aroclor-1260 [2C]	0.12	0.020	mg/Kg wet	0.200		62.3	40-140	16.8	30	
Surrogate: Decachlorobiphenyl	0.142		mg/Kg wet	0.200		70.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.133		mg/Kg wet	0.200		66.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.150		mg/Kg wet	0.200		75.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.140		mg/Kg wet	0.200		70.1	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 B182529 - SW-846 3540C

Matrix Spike (B182529-MS1)

Source: 17G0777-01

Prepared: 07/26/17 Analyzed: 07/28/17

Aroclor-1016	0.18	0.10	mg/Kg dry	0.210	ND	85.2	40-140			
Aroclor-1016 [2C]	0.16	0.10	mg/Kg dry	0.210	ND	76.2	40-140			
Aroclor-1260	0.14	0.10	mg/Kg dry	0.210	ND	65.8	40-140			
Aroclor-1260 [2C]	0.14	0.10	mg/Kg dry	0.210	ND	67.6	40-140			
Surrogate: Decachlorobiphenyl	0.160		mg/Kg dry	0.210		76.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.185		mg/Kg dry	0.210		88.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.187		mg/Kg dry	0.210		89.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.191		mg/Kg dry	0.210		91.2	30-150			

Matrix Spike Dup (B182529-MSD1)

Source: 17G0777-01

Prepared: 07/26/17 Analyzed: 07/28/17

Aroclor-1016	0.15	0.10	mg/Kg dry	0.210	ND	73.3	40-140	15.0	50	
Aroclor-1016 [2C]	0.14	0.10	mg/Kg dry	0.210	ND	65.2	40-140	15.4	50	
Aroclor-1260	0.12	0.10	mg/Kg dry	0.210	ND	58.2	40-140	12.3	50	
Aroclor-1260 [2C]	0.13	0.10	mg/Kg dry	0.210	ND	61.6	40-140	9.37	50	
Surrogate: Decachlorobiphenyl	0.137		mg/Kg dry	0.210		65.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.167		mg/Kg dry	0.210		79.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.159		mg/Kg dry	0.210		76.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.162		mg/Kg dry	0.210		77.5	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 B182589 - SW-846 3546										
Blank (B182589-BLK1)										
					Prepared: 07/26/17 Analyzed: 07/27/17					
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	3.17		mg/Kg wet	3.33		95.1	50-150			
LCS (B182589-BS1)										
					Prepared: 07/26/17 Analyzed: 07/27/17					
CT ETPH	32.7	10	mg/Kg wet	33.3		98.1	60-120			
Surrogate: o-Terphenyl	2.50		mg/Kg wet	3.33		75.1	50-150			
LCS Dup (B182589-BSD1)										
					Prepared: 07/26/17 Analyzed: 07/27/17					
CT ETPH	29.7	10	mg/Kg wet	33.3		89.0	60-120	9.67	30	
Surrogate: o-Terphenyl	2.58		mg/Kg wet	3.33		77.4	50-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B182194 - SW-846 3050B										
Blank (B182194-BLK1)										
					Prepared: 07/21/17 Analyzed: 07/24/17					
Arsenic	ND	2.5	mg/Kg wet							
LCS (B182194-BS1)										
					Prepared: 07/21/17 Analyzed: 07/24/17					
Arsenic	51.6	5.0	mg/Kg wet	57.0		90.5	77.8-122.1			
LCS Dup (B182194-BSD1)										
					Prepared: 07/21/17 Analyzed: 07/24/17					
Arsenic	51.2	4.9	mg/Kg wet	57.0		89.9	77.8-122.1	0.723	30	

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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 B182549 - % Solids										
Duplicate (B182549-DUP5)										
				Source: 17G0777-01		Prepared: 07/26/17 Analyzed: 07/27/17				
% Solids	95.2		% Wt		95.4			0.210	20	
Duplicate (B182549-DUP6)										
				Source: 17G0777-02		Prepared: 07/26/17 Analyzed: 07/27/17				
% Solids	80.1		% Wt		82.2			2.59	20	

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

SW-846 8082A

Lab Sample ID: B182529-BS1 Date(s) Analyzed: 07/27/2017 07/27/2017

Instrument ID (1): ECD3 Instrument ID (2): ECD3

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.18	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.15	6.5

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

SW-846 8082A

Lab Sample ID: B182529-BSD1 Date(s) Analyzed: 07/27/2017 07/27/2017

Instrument ID (1): ECD3 Instrument ID (2): ECD3

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.15	
	2	0.000	-0.030	0.030	0.15	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.13	
	2	0.000	-0.030	0.030	0.12	8.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

Matrix Spike

SW-846 8082A

Lab Sample ID: B182529-MS1 Date(s) Analyzed: 07/28/2017 07/28/2017

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	0.18	
	2	0.000	-0.030	0.030	0.16	11.8
Aroclor-1260	1	0.000	-0.030	0.030	0.14	
	2	0.000	-0.030	0.030	0.14	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

Matrix Spike Dup

SW-846 8082A

Lab Sample ID: B182529-MSD1 Date(s) Analyzed: 07/28/2017 07/28/2017

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	0.15	
	2	0.000	-0.030	0.030	0.14	6.9
Aroclor-1260	1	0.000	-0.030	0.030	0.12	
	2	0.000	-0.030	0.030	0.13	8.0

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
SW-846 6010C-D in Soil	
Arsenic	CT,NH,NY,ME,VA,NC
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

CHAIN OF CUSTODY RECORD

1760777
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
 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-AOC12W-SO-69-2	7/19/17	13:30		X	S	U
2	WS-AOC12W-SO-69-3		13:40				
3	WS-AOC12W-SO-73-1A		13:57				
4	WS-AOC12W-SO-73-1B		13:58				
5	WS-AOC12W-SO-73-2		13:59				
6	WS-AOC12W-SO-73-3		14:00				
7	WS-AOC12W-SO-85-1		14:00				
8	WS-AOC12W-SO-85-2A		14:02				
9	WS-AOC12W-SO-85-2B		14:04				
10	WS-AOC12W-SO-85-3		14:06				

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

Retinquished by: (signature)	Date/Time:
<i>[Signature]</i>	7/19/17 1530
Received by: (signature)	Date/Time:
<i>TOM MAUI</i>	7/19/17 1530
Retinquished by: (signature)	Date/Time:
<i>TOM MAUI</i>	7/19/17 1740
Received by: (signature)	Date/Time:
<i>[Signature]</i>	7/19/17 1740
Retinquished by: (signature)	Date/Time:
<i>[Signature]</i>	
Received by: (signature)	Date/Time:
<i>[Signature]</i>	

Descriptive Limit Requirements
WA
ST
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

of Containers
 2 Preservation Code
 3 Container Code
 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

(Soxhlet) PCBs
 SPLP PCBs
 PAHs
 ETPH
 SPLPEIPH
 Arsenic

1760777

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

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 8 of 12

Company Name: con-test ANALYTICAL LABORATORY 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 <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 #:		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)		# of Containers 2 Preservation Code 3 Container Code Dissolved Metals Samples <input type="checkbox"/> Field Filtered <input type="checkbox"/> Lab to Filter Other/Residual Samples <input type="checkbox"/> Field Filtered <input type="checkbox"/> Lab to Filter		
ANALYSIS REQUESTED Arsenic SPLP ETPH ETPH PAHs SPLP PCBs (Saxhlet) PCBs		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 checked="" type="checkbox"/> RCP Analysis Certification Form Required <input type="checkbox"/> MA State DW Form Required PWSID # _____ NELAC and AIHA-LAP, LLC Accredited		
Con-Test Work Order# Client Sample ID / Description Beginning Date/Time Ending Date/Time Composite Grab Matrix Code Conc Code		Date/Time Date/Time Date/Time Date/Time Date/Time Date/Time		Date/Time Date/Time Date/Time Date/Time Date/Time Date/Time		
11	WS-AOC12W-SO-85-4	7/19/17	14:08	X	S	U
12	WS-AOC12W-SO-82-1		14:10			
13	WS-AOC12W-SO-82-2		14:12			
14	WS-AOC12W-SO-82-3		14:14			
15	WS-AOC12W-SO-82-4		14:16			
16	WS-AOC12W-SO-77-1		14:14			
17	WS-AOC12W-SO-77-2		14:15			
18	WS-AOC12W-SO-77-3		14:16			
19	WS-AOC12W-SO-77-4		14:17			
20	WS-AOC12W-SO-79-1		14:30			U
Comments: Please hold excess volumes for possible SPLP analyses.		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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 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 7/19/17 Time 1740

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

Were samples within Temperature? 2-6°C T By Gun # 2 Actual Temp - 3.4, 2.9, 4.1
 By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? N/A Were Samples Tampered with? F
 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? F 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-	<u>20</u>	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: 17G0777

Laboratory Sample ID(s):

Sample Date(s):

17G0777-01 thru 17G0777-20

07/19/2017

List RCP Methods Used:

CTDEP ETPH, SW-846 6010C-D, 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 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 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:

Lisa Worthington

Position: Project Manager

Printed Name: Lisa A. Worthington

Date: 08/03/17

Name of Laboratory: Con-Test Analytical Laboratory

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

August 4, 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: 17G0778

Enclosed are results of analyses for samples received by the laboratory on July 19, 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: 8/4/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G0778

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-AOC12W-SO-79-2A	17G0778-01	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-79-2B	17G0778-02	Soil		CTDEP ETPH SM 2540G SW-846 6010C-D SW-846 8270D	
WS-AOC12W-SO-79-3	17G0778-03	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-79-4	17G0778-04	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-80-1	17G0778-05	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-80-2	17G0778-06	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-80-3	17G0778-07	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-80-4	17G0778-08	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-72-1	17G0778-09	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-72-2	17G0778-10	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-72-3	17G0778-11	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-83-1	17G0778-12	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-83-2A	17G0778-13	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-83-2B	17G0778-14	Soil		CTDEP ETPH SM 2540G SW-846 6010C-D SW-846 8270D	
WS-AOC12W-SO-83-3	17G0778-15	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-83-4	17G0778-16	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-76-1	17G0778-17	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-76-2	17G0778-18	Soil		SM 2540G SW-846 8082A	

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

REPORT DATE: 8/4/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G0778

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-AOC12W-SO-76-3	17G0778-19	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-76-4	17G0778-20	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.

For method 6010, only As was requested and reported.

For method 8270, only PAHs were requested and reported.

SW-846 8082A**Qualifications:****MS-22**

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

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

B182583-MSD1

SW-846 6010C/D SW-846 6020A/B

For NC, Metals methods SW-846 6010D and SW-846 6020B are followed, and for all other states methods SW-846 6010C and SW-846 6020A are followed.

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

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



Lisa A. Worthington
Project Manager

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

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

Sample Description:

Work Order: 17G0778

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-79-2A

Sampled: 7/19/2017 14:32

Sample ID: 17G0778-01

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	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 16:08	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 16:08	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 16:08	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 16:08	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 16:08	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 16:08	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 16:08	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 16:08	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 16:08	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		90.6	30-150					8/3/17 16:08	
Decachlorobiphenyl [2]		93.7	30-150					8/3/17 16:08	
Tetrachloro-m-xylene [1]		87.0	30-150					8/3/17 16:08	
Tetrachloro-m-xylene [2]		85.0	30-150					8/3/17 16:08	

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

Sample Description:

Work Order: 17G0778

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-79-2A

Sampled: 7/19/2017 14:32

Sample ID: 17G0778-01

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	93.6		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0778

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-79-2B

Sampled: 7/19/2017 14:34

Sample ID: 17G0778-02

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	0.18	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:55	BGL
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:55	BGL
Anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:55	BGL
Benzo(a)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:55	BGL
Benzo(a)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:55	BGL
Benzo(b)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:55	BGL
Benzo(g,h,i)perylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:55	BGL
Benzo(k)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:55	BGL
Chrysene	0.37	0.18	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:55	BGL
Dibenz(a,h)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:55	BGL
Fluoranthene	0.21	0.18	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:55	BGL
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:55	BGL
Indeno(1,2,3-cd)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:55	BGL
2-Methylnaphthalene	2.1	0.18	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:55	BGL
Naphthalene	0.97	0.18	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:55	BGL
Phenanthrene	1.7	0.18	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:55	BGL
Pyrene	0.26	0.18	mg/Kg dry	1		SW-846 8270D	7/26/17	7/31/17 13:55	BGL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Nitrobenzene-d5		67.1	30-130					7/31/17 13:55	
2-Fluorobiphenyl		56.3	30-130					7/31/17 13:55	
p-Terphenyl-d14		63.0	30-130					7/31/17 13:55	

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

Sample Description:

Work Order: 17G0778

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-79-2B

Sampled: 7/19/2017 14:34

Sample ID: 17G0778-02

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	340	110	mg/Kg dry	10		CTDEP ETPH	7/26/17	8/2/17 17:35	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		115	50-150					8/2/17 17:35	

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

Sample Description:

Work Order: 17G0778

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-79-2B

Sampled: 7/19/2017 14:34

Sample ID: 17G0778-02

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	5.9	2.7	mg/Kg dry	1		SW-846 6010C-D	7/21/17	7/24/17 18:05	QNW

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

Sample Description:

Work Order: 17G0778

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-79-2B

Sampled: 7/19/2017 14:34

Sample ID: 17G0778-02

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	91.9		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0778

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-79-3

Sampled: 7/19/2017 14:36

Sample ID: 17G0778-03

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	5		SW-846 8082A	7/26/17	8/3/17 16:21	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 16:21	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 16:21	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 16:21	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 16:21	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 16:21	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 16:21	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 16:21	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 16:21	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		95.9	30-150					8/3/17 16:21	
Decachlorobiphenyl [2]		98.4	30-150					8/3/17 16:21	
Tetrachloro-m-xylene [1]		86.6	30-150					8/3/17 16:21	
Tetrachloro-m-xylene [2]		87.5	30-150					8/3/17 16:21	

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

Sample Description:

Work Order: 17G0778

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-79-3

Sampled: 7/19/2017 14:36

Sample ID: 17G0778-03

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	83.0		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0778

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-79-4

Sampled: 7/19/2017 14:38

Sample ID: 17G0778-04

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	5		SW-846 8082A	7/26/17	8/3/17 16:34	JMB
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 16:34	JMB
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 16:34	JMB
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 16:34	JMB
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 16:34	JMB
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 16:34	JMB
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 16:34	JMB
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 16:34	JMB
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 16:34	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		97.5	30-150					8/3/17 16:34	
Decachlorobiphenyl [2]		99.2	30-150					8/3/17 16:34	
Tetrachloro-m-xylene [1]		91.1	30-150					8/3/17 16:34	
Tetrachloro-m-xylene [2]		92.3	30-150					8/3/17 16:34	

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

Sample Description:

Work Order: 17G0778

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-79-4

Sampled: 7/19/2017 14:38

Sample ID: 17G0778-04

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	70.2		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0778

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-80-1

Sampled: 7/19/2017 14:33

Sample ID: 17G0778-05

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	5		SW-846 8082A	7/26/17	8/3/17 16:47	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 16:47	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 16:47	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 16:47	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 16:47	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 16:47	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 16:47	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 16:47	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 16:47	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		88.8	30-150					8/3/17 16:47	
Decachlorobiphenyl [2]		91.2	30-150					8/3/17 16:47	
Tetrachloro-m-xylene [1]		93.2	30-150					8/3/17 16:47	
Tetrachloro-m-xylene [2]		91.9	30-150					8/3/17 16:47	

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

Sample Description:

Work Order: 17G0778

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-80-1

Sampled: 7/19/2017 14:33

Sample ID: 17G0778-05

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.8		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0778

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-80-2

Sampled: 7/19/2017 14:34

Sample ID: 17G0778-06

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	5		SW-846 8082A	7/26/17	8/3/17 17:00	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 17:00	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 17:00	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 17:00	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 17:00	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 17:00	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 17:00	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 17:00	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 17:00	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.7	30-150					8/3/17 17:00	
Decachlorobiphenyl [2]		86.5	30-150					8/3/17 17:00	
Tetrachloro-m-xylene [1]		86.9	30-150					8/3/17 17:00	
Tetrachloro-m-xylene [2]		87.9	30-150					8/3/17 17:00	

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

Sample Description:

Work Order: 17G0778

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-80-2

Sampled: 7/19/2017 14:34

Sample ID: 17G0778-06

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	95.6		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0778

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-80-3

Sampled: 7/19/2017 14:35

Sample ID: 17G0778-07

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	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 17:12	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 17:12	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 17:12	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 17:12	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 17:12	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 17:12	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 17:12	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 17:12	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 17:12	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		86.1	30-150					8/3/17 17:12	
Decachlorobiphenyl [2]		88.1	30-150					8/3/17 17:12	
Tetrachloro-m-xylene [1]		86.4	30-150					8/3/17 17:12	
Tetrachloro-m-xylene [2]		83.6	30-150					8/3/17 17:12	

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

Sample Description:

Work Order: 17G0778

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-80-3

Sampled: 7/19/2017 14:35

Sample ID: 17G0778-07

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.3		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0778

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-80-4

Sampled: 7/19/2017 14:36

Sample ID: 17G0778-08

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	5		SW-846 8082A	7/26/17	8/3/17 17:25	JMB
Aroclor-1221 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 17:25	JMB
Aroclor-1232 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 17:25	JMB
Aroclor-1242 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 17:25	JMB
Aroclor-1248 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 17:25	JMB
Aroclor-1254 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 17:25	JMB
Aroclor-1260 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 17:25	JMB
Aroclor-1262 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 17:25	JMB
Aroclor-1268 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 17:25	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		72.0	30-150					8/3/17 17:25	
Decachlorobiphenyl [2]		78.1	30-150					8/3/17 17:25	
Tetrachloro-m-xylene [1]		73.6	30-150					8/3/17 17:25	
Tetrachloro-m-xylene [2]		64.2	30-150					8/3/17 17:25	

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

Sample Description:

Work Order: 17G0778

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-80-4

Sampled: 7/19/2017 14:36

Sample ID: 17G0778-08

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	58.1		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0778

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-72-1

Sampled: 7/19/2017 14:55

Sample ID: 17G0778-09

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	5		SW-846 8082A	7/26/17	8/3/17 18:17	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 18:17	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 18:17	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 18:17	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 18:17	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 18:17	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 18:17	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 18:17	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 18:17	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		91.4	30-150					8/3/17 18:17	
Decachlorobiphenyl [2]		92.8	30-150					8/3/17 18:17	
Tetrachloro-m-xylene [1]		89.3	30-150					8/3/17 18:17	
Tetrachloro-m-xylene [2]		84.1	30-150					8/3/17 18:17	

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

Sample Description:

Work Order: 17G0778

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-72-1

Sampled: 7/19/2017 14:55

Sample ID: 17G0778-09

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.2		% Wt	1		SM 2540G	7/26/17	7/27/17 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: 17G0778

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-72-2

Sampled: 7/19/2017 14:57

Sample ID: 17G0778-10

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	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 18:30	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 18:30	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 18:30	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 18:30	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 18:30	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 18:30	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 18:30	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 18:30	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 18:30	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.6	30-150					8/3/17 18:30	
Decachlorobiphenyl [2]		86.1	30-150					8/3/17 18:30	
Tetrachloro-m-xylene [1]		84.0	30-150					8/3/17 18:30	
Tetrachloro-m-xylene [2]		79.9	30-150					8/3/17 18:30	

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

Sample Description:

Work Order: 17G0778

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-72-2

Sampled: 7/19/2017 14:57

Sample ID: 17G0778-10

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.9		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0778

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-72-3

Sampled: 7/19/2017 14:59

Sample ID: 17G0778-11

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	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 18:43	JMB
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 18:43	JMB
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 18:43	JMB
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 18:43	JMB
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 18:43	JMB
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 18:43	JMB
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 18:43	JMB
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 18:43	JMB
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 18:43	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		89.3	30-150					8/3/17 18:43	
Decachlorobiphenyl [2]		92.2	30-150					8/3/17 18:43	
Tetrachloro-m-xylene [1]		88.5	30-150					8/3/17 18:43	
Tetrachloro-m-xylene [2]		86.8	30-150					8/3/17 18:43	

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

Sample Description:

Work Order: 17G0778

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-72-3

Sampled: 7/19/2017 14:59

Sample ID: 17G0778-11

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	76.3		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0778

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-83-1

Sampled: 7/19/2017 14:45

Sample ID: 17G0778-12

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	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 18:56	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 18:56	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 18:56	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 18:56	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 18:56	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 18:56	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 18:56	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 18:56	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 18:56	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		93.7	30-150					8/3/17 18:56	
Decachlorobiphenyl [2]		98.8	30-150					8/3/17 18:56	
Tetrachloro-m-xylene [1]		93.5	30-150					8/3/17 18:56	
Tetrachloro-m-xylene [2]		90.3	30-150					8/3/17 18:56	

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

Sample Description:

Work Order: 17G0778

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-83-1

Sampled: 7/19/2017 14:45

Sample ID: 17G0778-12

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	95.2		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0778

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-83-2A

Sampled: 7/19/2017 14:46

Sample ID: 17G0778-13

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	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 19:08	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 19:08	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 19:08	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 19:08	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 19:08	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 19:08	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 19:08	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 19:08	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 19:08	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		95.7	30-150					8/3/17 19:08	
Decachlorobiphenyl [2]		97.3	30-150					8/3/17 19:08	
Tetrachloro-m-xylene [1]		97.2	30-150					8/3/17 19:08	
Tetrachloro-m-xylene [2]		93.3	30-150					8/3/17 19:08	

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

Sample Description:

Work Order: 17G0778

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-83-2A

Sampled: 7/19/2017 14:46

Sample ID: 17G0778-13

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	84.5		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0778

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-83-2B

Sampled: 7/19/2017 14:47

Sample ID: 17G0778-14

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	0.25	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 20:26	BGL
Acenaphthylene	0.49	0.25	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 20:26	BGL
Anthracene	0.47	0.25	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 20:26	BGL
Benzo(a)anthracene	1.2	0.25	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 20:26	BGL
Benzo(a)pyrene	1.3	0.25	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 20:26	BGL
Benzo(b)fluoranthene	1.9	0.25	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 20:26	BGL
Benzo(g,h,i)perylene	1.6	0.25	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 20:26	BGL
Benzo(k)fluoranthene	0.66	0.25	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 20:26	BGL
Chrysene	1.9	0.25	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 20:26	BGL
Dibenz(a,h)anthracene	0.40	0.25	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 20:26	BGL
Fluoranthene	2.0	0.25	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 20:26	BGL
Fluorene	ND	0.25	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 20:26	BGL
Indeno(1,2,3-cd)pyrene	1.4	0.25	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 20:26	BGL
2-Methylnaphthalene	1.6	0.25	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 20:26	BGL
Naphthalene	2.7	0.25	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 20:26	BGL
Phenanthrene	2.1	0.25	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 20:26	BGL
Pyrene	2.1	0.25	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 20:26	BGL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Nitrobenzene-d5		45.0	30-130					7/28/17 20:26	
2-Fluorobiphenyl		42.7	30-130					7/28/17 20:26	
p-Terphenyl-d14		47.8	30-130					7/28/17 20:26	

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

Sample Description:

Work Order: 17G0778

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-83-2B

Sampled: 7/19/2017 14:47

Sample ID: 17G0778-14

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	670	150	mg/Kg dry	5		CTDEP ETPH	7/26/17	7/27/17 20:28	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		60.4	50-150					7/27/17 20:28	

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

Sample Description:

Work Order: 17G0778

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-83-2B

Sampled: 7/19/2017 14:47

Sample ID: 17G0778-14

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	55	3.5	mg/Kg dry	1		SW-846 6010C-D	7/21/17	7/24/17 18:05	QNW

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

Sample Description:

Work Order: 17G0778

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-83-2B

Sampled: 7/19/2017 14:47

Sample ID: 17G0778-14

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	68.3		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0778

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-83-3

Sampled: 7/19/2017 14:48

Sample ID: 17G0778-15

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	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 19:21	JMB
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 19:21	JMB
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 19:21	JMB
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 19:21	JMB
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 19:21	JMB
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 19:21	JMB
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 19:21	JMB
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 19:21	JMB
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 19:21	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		67.7	30-150					8/3/17 19:21	
Decachlorobiphenyl [2]		72.1	30-150					8/3/17 19:21	
Tetrachloro-m-xylene [1]		70.8	30-150					8/3/17 19:21	
Tetrachloro-m-xylene [2]		70.0	30-150					8/3/17 19:21	

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

Sample Description:

Work Order: 17G0778

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-83-3

Sampled: 7/19/2017 14:48

Sample ID: 17G0778-15

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	77.0		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0778

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-83-4

Sampled: 7/19/2017 14:49

Sample ID: 17G0778-16

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	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 19:34	JMB
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 19:34	JMB
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 19:34	JMB
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 19:34	JMB
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 19:34	JMB
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 19:34	JMB
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 19:34	JMB
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 19:34	JMB
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 19:34	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		91.0	30-150					8/3/17 19:34	
Decachlorobiphenyl [2]		97.9	30-150					8/3/17 19:34	
Tetrachloro-m-xylene [1]		95.6	30-150					8/3/17 19:34	
Tetrachloro-m-xylene [2]		88.9	30-150					8/3/17 19:34	

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

Sample Description:

Work Order: 17G0778

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-83-4

Sampled: 7/19/2017 14:49

Sample ID: 17G0778-16

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	75.9		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0778

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-76-1

Sampled: 7/19/2017 15:01

Sample ID: 17G0778-17

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	0.098	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 19:47	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 19:47	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 19:47	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 19:47	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 19:47	JMB
Aroclor-1254 [1]	ND	0.098	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 19:47	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 19:47	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 19:47	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 19:47	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		77.4	30-150					8/3/17 19:47	
Decachlorobiphenyl [2]		87.5	30-150					8/3/17 19:47	
Tetrachloro-m-xylene [1]		83.4	30-150					8/3/17 19:47	
Tetrachloro-m-xylene [2]		81.6	30-150					8/3/17 19:47	

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

Sample Description:

Work Order: 17G0778

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-76-1

Sampled: 7/19/2017 15:01

Sample ID: 17G0778-17

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	94.9		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0778

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-76-2

Sampled: 7/19/2017 15:03

Sample ID: 17G0778-18

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	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 20:00	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 20:00	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 20:00	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 20:00	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 20:00	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 20:00	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 20:00	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 20:00	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 20:00	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		88.3	30-150					8/3/17 20:00	
Decachlorobiphenyl [2]		86.3	30-150					8/3/17 20:00	
Tetrachloro-m-xylene [1]		89.6	30-150					8/3/17 20:00	
Tetrachloro-m-xylene [2]		85.7	30-150					8/3/17 20:00	

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

Sample Description:

Work Order: 17G0778

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-76-2

Sampled: 7/19/2017 15:03

Sample ID: 17G0778-18

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.3		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0778

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-76-3

Sampled: 7/19/2017 15:05

Sample ID: 17G0778-19

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	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 20:13	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 20:13	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 20:13	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 20:13	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 20:13	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 20:13	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 20:13	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 20:13	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 20:13	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		73.1	30-150					8/3/17 20:13	
Decachlorobiphenyl [2]		75.6	30-150					8/3/17 20:13	
Tetrachloro-m-xylene [1]		78.0	30-150					8/3/17 20:13	
Tetrachloro-m-xylene [2]		76.8	30-150					8/3/17 20:13	

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

Sample Description:

Work Order: 17G0778

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-76-3

Sampled: 7/19/2017 15:05

Sample ID: 17G0778-19

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	93.1		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

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

Sample Description:

Work Order: 17G0778

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-76-4

Sampled: 7/19/2017 15:07

Sample ID: 17G0778-20

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	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 20:26	JMB
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 20:26	JMB
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 20:26	JMB
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 20:26	JMB
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 20:26	JMB
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 20:26	JMB
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 20:26	JMB
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 20:26	JMB
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 20:26	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		91.0	30-150					8/3/17 20:26	
Decachlorobiphenyl [2]		92.0	30-150					8/3/17 20:26	
Tetrachloro-m-xylene [1]		93.5	30-150					8/3/17 20:26	
Tetrachloro-m-xylene [2]		91.6	30-150					8/3/17 20:26	

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

Sample Description:

Work Order: 17G0778

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-76-4

Sampled: 7/19/2017 15:07

Sample ID: 17G0778-20

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	74.9		% Wt	1		SM 2540G	7/26/17	7/27/17 7:42	MRL

Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0778-02 [WS-AOC12W-SO-79-2B]	B182589	30.0	1.00	07/26/17
17G0778-14 [WS-AOC12W-SO-83-2B]	B182589	30.0	2.00	07/26/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17G0778-01 [WS-AOC12W-SO-79-2A]	B182549	07/26/17
17G0778-02 [WS-AOC12W-SO-79-2B]	B182549	07/26/17
17G0778-03 [WS-AOC12W-SO-79-3]	B182549	07/26/17
17G0778-04 [WS-AOC12W-SO-79-4]	B182549	07/26/17
17G0778-05 [WS-AOC12W-SO-80-1]	B182549	07/26/17
17G0778-06 [WS-AOC12W-SO-80-2]	B182549	07/26/17
17G0778-07 [WS-AOC12W-SO-80-3]	B182549	07/26/17
17G0778-08 [WS-AOC12W-SO-80-4]	B182549	07/26/17
17G0778-09 [WS-AOC12W-SO-72-1]	B182549	07/26/17
17G0778-10 [WS-AOC12W-SO-72-2]	B182549	07/26/17
17G0778-11 [WS-AOC12W-SO-72-3]	B182549	07/26/17
17G0778-12 [WS-AOC12W-SO-83-1]	B182549	07/26/17
17G0778-13 [WS-AOC12W-SO-83-2A]	B182549	07/26/17
17G0778-14 [WS-AOC12W-SO-83-2B]	B182549	07/26/17
17G0778-15 [WS-AOC12W-SO-83-3]	B182549	07/26/17
17G0778-16 [WS-AOC12W-SO-83-4]	B182549	07/26/17
17G0778-17 [WS-AOC12W-SO-76-1]	B182549	07/26/17
17G0778-18 [WS-AOC12W-SO-76-2]	B182549	07/26/17
17G0778-19 [WS-AOC12W-SO-76-3]	B182549	07/26/17
17G0778-20 [WS-AOC12W-SO-76-4]	B182549	07/26/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0778-02 [WS-AOC12W-SO-79-2B]	B182194	1.02	50.0	07/21/17
17G0778-14 [WS-AOC12W-SO-83-2B]	B182194	1.05	50.0	07/21/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0778-01 [WS-AOC12W-SO-79-2A]	B182583	10.0	10.0	07/26/17
17G0778-03 [WS-AOC12W-SO-79-3]	B182583	10.4	10.0	07/26/17
17G0778-04 [WS-AOC12W-SO-79-4]	B182583	10.0	10.0	07/26/17
17G0778-05 [WS-AOC12W-SO-80-1]	B182583	10.0	10.0	07/26/17
17G0778-06 [WS-AOC12W-SO-80-2]	B182583	10.1	10.0	07/26/17
17G0778-07 [WS-AOC12W-SO-80-3]	B182583	10.3	10.0	07/26/17
17G0778-08 [WS-AOC12W-SO-80-4]	B182583	10.0	10.0	07/26/17
17G0778-09 [WS-AOC12W-SO-72-1]	B182583	10.1	10.0	07/26/17
17G0778-10 [WS-AOC12W-SO-72-2]	B182583	10.0	10.0	07/26/17
17G0778-11 [WS-AOC12W-SO-72-3]	B182583	10.0	10.0	07/26/17
17G0778-12 [WS-AOC12W-SO-83-1]	B182583	10.1	10.0	07/26/17
17G0778-13 [WS-AOC12W-SO-83-2A]	B182583	10.0	10.0	07/26/17
17G0778-15 [WS-AOC12W-SO-83-3]	B182583	10.2	10.0	07/26/17
17G0778-16 [WS-AOC12W-SO-83-4]	B182583	10.4	10.0	07/26/17
17G0778-17 [WS-AOC12W-SO-76-1]	B182583	10.7	10.0	07/26/17

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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
17G0778-18 [WS-AOC12W-SO-76-2]	B182583	10.6	10.0	07/26/17
17G0778-19 [WS-AOC12W-SO-76-3]	B182583	10.0	10.0	07/26/17
17G0778-20 [WS-AOC12W-SO-76-4]	B182583	10.1	10.0	07/26/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0778-02 [WS-AOC12W-SO-79-2B]	B182604	30.0	1.00	07/26/17
17G0778-14 [WS-AOC12W-SO-83-2B]	B182604	30.0	1.00	07/26/17

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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 B182604 - SW-846 3546										
Blank (B182604-BLK1)										
Prepared: 07/26/17 Analyzed: 07/27/17										
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	2.42		mg/Kg wet	3.33		72.6	30-130			
Surrogate: 2-Fluorobiphenyl	2.38		mg/Kg wet	3.33		71.4	30-130			
Surrogate: p-Terphenyl-d14	2.72		mg/Kg wet	3.33		81.5	30-130			
LCS (B182604-BS1)										
Prepared: 07/26/17 Analyzed: 07/27/17										
Acenaphthene	0.860	0.17	mg/Kg wet	1.67		51.6	40-140			
Acenaphthylene	0.832	0.17	mg/Kg wet	1.67		49.9	40-140			
Anthracene	0.914	0.17	mg/Kg wet	1.67		54.8	40-140			
Benzo(a)anthracene	0.935	0.17	mg/Kg wet	1.67		56.1	40-140			
Benzo(a)pyrene	0.940	0.17	mg/Kg wet	1.67		56.4	40-140			
Benzo(b)fluoranthene	0.852	0.17	mg/Kg wet	1.67		51.1	40-140			
Benzo(g,h,i)perylene	1.11	0.17	mg/Kg wet	1.67		66.4	40-140			
Benzo(k)fluoranthene	0.863	0.17	mg/Kg wet	1.67		51.8	40-140			
Chrysene	0.934	0.17	mg/Kg wet	1.67		56.0	40-140			
Dibenz(a,h)anthracene	1.03	0.17	mg/Kg wet	1.67		61.8	40-140			
Fluoranthene	0.889	0.17	mg/Kg wet	1.67		53.3	40-140			
Fluorene	0.876	0.17	mg/Kg wet	1.67		52.6	40-140			
Indeno(1,2,3-cd)pyrene	0.984	0.17	mg/Kg wet	1.67		59.1	40-140			
2-Methylnaphthalene	0.851	0.17	mg/Kg wet	1.67		51.0	40-140			
Naphthalene	0.836	0.17	mg/Kg wet	1.67		50.1	40-140			
Phenanthrene	0.915	0.17	mg/Kg wet	1.67		54.9	40-140			
Pyrene	0.887	0.17	mg/Kg wet	1.67		53.2	40-140			
Surrogate: Nitrobenzene-d5	1.92		mg/Kg wet	3.33		57.6	30-130			
Surrogate: 2-Fluorobiphenyl	1.93		mg/Kg wet	3.33		57.9	30-130			
Surrogate: p-Terphenyl-d14	2.13		mg/Kg wet	3.33		63.8	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 B182604 - SW-846 3546										
LCS Dup (B182604-BSD1)										
					Prepared: 07/26/17 Analyzed: 07/27/17					
Acenaphthene	1.04	0.17	mg/Kg wet	1.67		62.7	40-140	19.3	30	
Acenaphthylene	1.02	0.17	mg/Kg wet	1.67		61.1	40-140	20.0	30	
Anthracene	1.12	0.17	mg/Kg wet	1.67		67.1	40-140	20.1	30	
Benzo(a)anthracene	1.13	0.17	mg/Kg wet	1.67		68.0	40-140	19.2	30	
Benzo(a)pyrene	1.12	0.17	mg/Kg wet	1.67		66.9	40-140	17.1	30	
Benzo(b)fluoranthene	1.01	0.17	mg/Kg wet	1.67		60.8	40-140	17.2	30	
Benzo(g,h,i)perylene	1.35	0.17	mg/Kg wet	1.67		81.1	40-140	20.0	30	
Benzo(k)fluoranthene	1.04	0.17	mg/Kg wet	1.67		62.3	40-140	18.4	30	
Chrysene	1.11	0.17	mg/Kg wet	1.67		66.7	40-140	17.4	30	
Dibenz(a,h)anthracene	1.26	0.17	mg/Kg wet	1.67		75.9	40-140	20.4	30	
Fluoranthene	1.11	0.17	mg/Kg wet	1.67		66.8	40-140	22.5	30	
Fluorene	1.06	0.17	mg/Kg wet	1.67		63.6	40-140	19.0	30	
Indeno(1,2,3-cd)pyrene	1.27	0.17	mg/Kg wet	1.67		76.0	40-140	25.1	30	
2-Methylnaphthalene	1.04	0.17	mg/Kg wet	1.67		62.4	40-140	20.1	30	
Naphthalene	1.01	0.17	mg/Kg wet	1.67		60.5	40-140	18.8	30	
Phenanthrene	1.10	0.17	mg/Kg wet	1.67		66.2	40-140	18.7	30	
Pyrene	1.12	0.17	mg/Kg wet	1.67		67.2	40-140	23.2	30	
Surrogate: Nitrobenzene-d5	2.33		mg/Kg wet	3.33		70.0	30-130			
Surrogate: 2-Fluorobiphenyl	2.33		mg/Kg wet	3.33		69.9	30-130			
Surrogate: p-Terphenyl-d14	2.60		mg/Kg wet	3.33		78.0	30-130			

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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 B182583 - SW-846 3540C

Blank (B182583-BLK1)

Prepared: 07/26/17 Analyzed: 08/03/17

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	0.170		mg/Kg wet	0.200		85.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.172		mg/Kg wet	0.200		85.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.165		mg/Kg wet	0.200		82.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.163		mg/Kg wet	0.200		81.3	30-150			

LCS (B182583-BS1)

Prepared: 07/26/17 Analyzed: 08/03/17

Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		89.1	40-140			
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		88.8	40-140			
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		86.1	40-140			
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		83.5	40-140			
Surrogate: Decachlorobiphenyl	0.189		mg/Kg wet	0.200		94.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.191		mg/Kg wet	0.200		95.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.172		mg/Kg wet	0.200		85.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.168		mg/Kg wet	0.200		84.2	30-150			

LCS Dup (B182583-BSD1)

Prepared: 07/26/17 Analyzed: 08/03/17

Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		90.8	40-140	1.88	30	
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		92.8	40-140	4.48	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		84.6	40-140	1.82	30	
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		83.2	40-140	0.430	30	
Surrogate: Decachlorobiphenyl	0.184		mg/Kg wet	0.200		92.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.185		mg/Kg wet	0.200		92.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.179		mg/Kg wet	0.200		89.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.176		mg/Kg wet	0.200		87.8	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B182583 - SW-846 3540C

Matrix Spike (B182583-MS1)

Source: 17G0778-01

Prepared: 07/26/17 Analyzed: 08/03/17

Aroclor-1016	0.21	0.11	mg/Kg dry	0.214	ND	101	40-140			
Aroclor-1016 [2C]	0.23	0.11	mg/Kg dry	0.214	ND	109	40-140			
Aroclor-1260	0.21	0.11	mg/Kg dry	0.214	ND	96.1	40-140			
Aroclor-1260 [2C]	0.21	0.11	mg/Kg dry	0.214	ND	96.4	40-140			
Surrogate: Decachlorobiphenyl	0.194		mg/Kg dry	0.214		90.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.199		mg/Kg dry	0.214		93.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.191		mg/Kg dry	0.214		89.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.180		mg/Kg dry	0.214		84.2	30-150			

Matrix Spike Dup (B182583-MSD1)

Source: 17G0778-01

Prepared: 07/26/17 Analyzed: 08/03/17

Aroclor-1016	0.23	0.11	mg/Kg dry	0.212	ND	109	40-140	7.04	50	
Aroclor-1016 [2C]	0.30	0.11	mg/Kg dry	0.212	ND	144	40-140	26.7	50	MS-22
Aroclor-1260	0.22	0.11	mg/Kg dry	0.212	ND	104	40-140	6.88	50	
Aroclor-1260 [2C]	0.22	0.11	mg/Kg dry	0.212	ND	105	40-140	7.31	50	
Surrogate: Decachlorobiphenyl	0.199		mg/Kg dry	0.212		94.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.200		mg/Kg dry	0.212		94.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.204		mg/Kg dry	0.212		96.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.192		mg/Kg dry	0.212		90.9	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 B182589 - SW-846 3546										
Blank (B182589-BLK1)										
					Prepared: 07/26/17 Analyzed: 07/27/17					
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	3.17		mg/Kg wet	3.33		95.1	50-150			
LCS (B182589-BS1)										
					Prepared: 07/26/17 Analyzed: 07/27/17					
CT ETPH	32.7	10	mg/Kg wet	33.3		98.1	60-120			
Surrogate: o-Terphenyl	2.50		mg/Kg wet	3.33		75.1	50-150			
LCS Dup (B182589-BSD1)										
					Prepared: 07/26/17 Analyzed: 07/27/17					
CT ETPH	29.7	10	mg/Kg wet	33.3		89.0	60-120	9.67	30	
Surrogate: o-Terphenyl	2.58		mg/Kg wet	3.33		77.4	50-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B182194 - SW-846 3050B										
Blank (B182194-BLK1)										
					Prepared: 07/21/17 Analyzed: 07/24/17					
Arsenic	ND	2.5	mg/Kg wet							
LCS (B182194-BS1)										
					Prepared: 07/21/17 Analyzed: 07/24/17					
Arsenic	51.6	5.0	mg/Kg wet	57.0		90.5	77.8-122.1			
LCS Dup (B182194-BSD1)										
					Prepared: 07/21/17 Analyzed: 07/24/17					
Arsenic	51.2	4.9	mg/Kg wet	57.0		89.9	77.8-122.1	0.723	30	

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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 B182549 - % Solids										
Duplicate (B182549-DUP7)										
Source: 17G0778-19 Prepared: 07/26/17 Analyzed: 07/27/17										
% Solids	93.1		% Wt		93.1			0.00	20	
Duplicate (B182549-DUP8)										
Source: 17G0778-20 Prepared: 07/26/17 Analyzed: 07/27/17										
% Solids	72.9		% Wt		74.9			2.71	20	

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

SW-846 8082A

Lab Sample ID: B182583-BS1 Date(s) Analyzed: 08/03/2017 08/03/2017

Instrument ID (1): ECD3 Instrument ID (2): ECD3

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.18	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.17	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

SW-846 8082A

Lab Sample ID: B182583-BSD1 Date(s) Analyzed: 08/03/2017 08/03/2017

Instrument ID (1): ECD3 Instrument ID (2): ECD3

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.19	5.4
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.17	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

Matrix Spike

SW-846 8082A

Lab Sample ID: B182583-MS1 Date(s) Analyzed: 08/03/2017 08/03/2017

Instrument ID (1): ECD3 Instrument ID (2): ECD3

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.23	4.4
Aroclor-1260	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.21	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

Matrix Spike Dup

SW-846 8082A

Lab Sample ID: B182583-MSD1 Date(s) Analyzed: 08/03/2017 08/03/2017

Instrument ID (1): ECD3 Instrument ID (2): ECD3

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.23	
	2	0.000	-0.030	0.030	0.30	26.4
Aroclor-1260	1	0.000	-0.030	0.030	0.22	
	2	0.000	-0.030	0.030	0.22	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.
MS-22	Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
SW-846 6010C-D in Soil	
Arsenic	CT,NH,NY,ME,VA,NC
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

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

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

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http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

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

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 9 of 12



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-AOC12W-SO-79-2A	7/19/17	14:32		X	S	V
2	WS-AOC12W-SO-79-2B		14:34				
3	WS-AOC12W-SO-79-3		14:36				
4	WS-AOC12W-SO-79-4		14:38				
5	WS-AOC12W-SO-80-1		14:33				
6	WS-AOC12W-SO-80-2		14:34				
7	WS-AOC12W-SO-80-3		14:35				
8	WS-AOC12W-SO-80-4		14:36				
9	WS-AOC12W-SO-72-1		14:55				
10	WS-AOC12W-SO-72-2		14:59				

ANALYSIS REQUESTED
SPLP PCBs (Soxhlet PCBs)
PAHs
ETPH
SPLP ETPH
Arsenic

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

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

NELAC and AIHA-LAP, LLC Accredited

Relinquished by: (signature)	Date/Time
<i>[Signature]</i>	7/19/17 1530
Received by: (signature)	Date/Time
<i>[Signature]</i>	7/19/17 1530
Relinquished by: (signature)	Date/Time
<i>[Signature]</i>	7/19/17 1740
Received by: (signature)	Date/Time
<i>[Signature]</i>	7/19/17 1740
Relinquished by: (signature)	Date/Time
<i>[Signature]</i>	
Received by: (signature)	Date/Time
<i>[Signature]</i>	

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

1750778

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

Email: info@contestlabs.com

Weston & Sampson Engineers
273 Dividend Rd Rocky Hill, CT

Phone: 860 513-1473

English Station

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 Requested

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 #:

of Containers

2 Preservation Code

3 Container Code

Disolver Matrix Samples

Field Filtered
 Lab to Filter

Other Matrix 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)

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
11	WS-AOC12W-SO-72-3	7/19/17	14:51		X	S	W
12	WS-AOC12W-SO-83-1		14:45				
13	WS-AOC12W-SO-83-2A		14:46				
14	WS-AOC12W-SO-83-2B		14:47				
15	WS-AOC12W-SO-83-3		14:48				
16	WS-AOC12W-SO-83-4		14:49				
17	WS-AOC12W-SO-76-1		15:01				
18	WS-AOC12W-SO-76-2		15:03				
19	WS-AOC12-SO-76-3		15:05				
20	WS-AOC12-SO-76-4		15:07				

ANALYSIS REQUESTED

SPLP PCBs
(Soxnet) PCBs
PAHs
E TPH
SPLP ETPH
Arsenic

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: 7/19/17 15:30

Received by: (signature) Date/Time: 7/19/17 15:30

Relinquished by: (signature) Date/Time: 7/19/17 15:30

Received by: (signature) Date/Time: 7/19/17 17:40

Relinquished by: (signature) Date/Time: 7/19/17 17:40

Received by: (signature) Date/Time:

Detection Limit Requirements

RES DEC

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.

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 7/19/17 Time 1740
 How were the samples received? In Cooler T No Cooler On Ice T No Ice
 Direct from Sampling Ambient Melted Ice
 Were samples within Temperature? 2-6°C T By Gun # 2 Actual Temp - 3.4, 2.9, 4.1
 By Blank # Actual Temp -
 Was Custody Seal Intact? N/A Were Samples Tampered with? F
 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?
 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-	<u>20</u>	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\A072717.SEC\A0727055.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 7/27/17
 Data File Name A0727055.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.14	429971	456453	-6
c - 10	1.49	436660	456453	-4
c - 12	2.22	455312	456453	0
c - 14	2.88	461259	456453	1
c - 16	3.48	469293	456453	3
c - 18	4.05	462720	456453	1
o-Terphenyl	4.36	532470	456453	
c - 20	4.66	470640	456453	3
c - 22	5.18	476652	456453	4
c - 24	5.62	443852	456453	-3
c - 26	6.01	468554	456453	3
c - 28	6.37	463829	456453	2
c - 30	6.70	457044	456453	0
c - 32	7.01	446255	456453	-2
c - 34	7.30	450835	456453	-1
c - 36	7.58	453922	456453	-1

* One compound allowed %D <= 50%

Samples

17G0775-13
 17G0679-08@20X
 17G0772-08@10X
 17G0778-14@5X
 17G0779-07@10X
 17G0779-12@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: 17G0778

Laboratory Sample ID(s):

Sample Date(s):

17G0778-01 thru 17G0778-20

07/19/2017

List RCP Methods Used:

CTDEP ETPH, SW-846 6010C-D, 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input 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: 08/04/17

Name of Laboratory: Con-Test Analytical Laboratory

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

August 3, 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: 17G0779

Enclosed are results of analyses for samples received by the laboratory on July 19, 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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Weston & Sampson
 273 Dividend Road
 Rocky Hill, CT 06067
 ATTN: Malcolm Beeler

REPORT DATE: 8/3/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G0779

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-AOC12W-SO-86-1	17G0779-01	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-86-2	17G0779-02	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-86-3	17G0779-03	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-86-4	17G0779-04	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-87-1	17G0779-05	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-87-2A	17G0779-06	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-87-2B	17G0779-07	Soil		CTDEP ETPH SM 2540G SW-846 6010C-D SW-846 8270D	
WS-AOC12W-SO-87-3	17G0779-08	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-87-4	17G0779-09	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-DUP-8	17G0779-10	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-DUP-9A	17G0779-11	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-DUP-9B	17G0779-12	Soil		CTDEP ETPH SM 2540G SW-846 6010C-D SW-846 8270D	
WS-AOC12W-SO-DUP-10	17G0779-13	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-DUP-11	17G0779-14	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-DUP-12	17G0779-15	Soil		SM 2540G SW-846 8082A	

CASE NARRATIVE SUMMARY

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

For method 6010, only As was requested and reported.

For method 8270, only PAHs were requested and reported.

SW-846 6010C/D SW-846 6020A/B

For NC, Metals methods SW-846 6010D and SW-846 6020B are followed, and for all other states methods SW-846 6010C and SW-846 6020A are followed.

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

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

A handwritten signature in black ink, appearing to read "Lisa A. Worthington", is written over a light gray rectangular background.

Lisa A. Worthington
Project Manager

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

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

Sample Description:

Work Order: 17G0779

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-86-1

Sampled: 7/19/2017 15:01

Sample ID: 17G0779-01

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	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 12:01	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 12:01	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 12:01	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 12:01	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 12:01	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 12:01	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 12:01	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 12:01	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 12:01	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		103	30-150					8/3/17 12:01	
Decachlorobiphenyl [2]		103	30-150					8/3/17 12:01	
Tetrachloro-m-xylene [1]		102	30-150					8/3/17 12:01	
Tetrachloro-m-xylene [2]		102	30-150					8/3/17 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: 17G0779

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-86-1

Sampled: 7/19/2017 15:01

Sample ID: 17G0779-01

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	97.4		% Wt	1		SM 2540G	7/26/17	7/27/17 8:21	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: 17G0779

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-86-2

Sampled: 7/19/2017 15:02

Sample ID: 17G0779-02

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	5		SW-846 8082A	7/26/17	8/3/17 12:14	PJG
Aroclor-1221 [1]	ND	0.096	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 12:14	PJG
Aroclor-1232 [1]	ND	0.096	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 12:14	PJG
Aroclor-1242 [1]	ND	0.096	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 12:14	PJG
Aroclor-1248 [1]	ND	0.096	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 12:14	PJG
Aroclor-1254 [1]	ND	0.096	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 12:14	PJG
Aroclor-1260 [1]	ND	0.096	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 12:14	PJG
Aroclor-1262 [1]	ND	0.096	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 12:14	PJG
Aroclor-1268 [1]	ND	0.096	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 12:14	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		104	30-150					8/3/17 12:14	
Decachlorobiphenyl [2]		107	30-150					8/3/17 12:14	
Tetrachloro-m-xylene [1]		111	30-150					8/3/17 12:14	
Tetrachloro-m-xylene [2]		112	30-150					8/3/17 12:14	

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

Sample Description:

Work Order: 17G0779

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-86-2

Sampled: 7/19/2017 15:02

Sample ID: 17G0779-02

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.4		% Wt	1		SM 2540G	7/26/17	7/27/17 8:21	MRL

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

Sample Description:

Work Order: 17G0779

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-86-3

Sampled: 7/19/2017 15:03

Sample ID: 17G0779-03

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	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 12:26	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 12:26	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 12:26	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 12:26	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 12:26	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 12:26	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 12:26	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 12:26	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 12:26	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		91.9	30-150					8/3/17 12:26	
Decachlorobiphenyl [2]		99.0	30-150					8/3/17 12:26	
Tetrachloro-m-xylene [1]		98.5	30-150					8/3/17 12:26	
Tetrachloro-m-xylene [2]		100	30-150					8/3/17 12:26	

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: 17G0779

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-86-3

Sampled: 7/19/2017 15:03

Sample ID: 17G0779-03

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.8		% Wt	1		SM 2540G	7/26/17	7/27/17 8:21	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: 17G0779

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-86-4

Sampled: 7/19/2017 15:04

Sample ID: 17G0779-04

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	5		SW-846 8082A	7/26/17	8/3/17 12:39	PJG
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 12:39	PJG
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 12:39	PJG
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 12:39	PJG
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 12:39	PJG
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 12:39	PJG
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 12:39	PJG
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 12:39	PJG
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 12:39	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		90.5	30-150					8/3/17 12:39	
Decachlorobiphenyl [2]		96.0	30-150					8/3/17 12:39	
Tetrachloro-m-xylene [1]		98.6	30-150					8/3/17 12:39	
Tetrachloro-m-xylene [2]		99.6	30-150					8/3/17 12:39	

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

Sample Description:

Work Order: 17G0779

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-86-4

Sampled: 7/19/2017 15:04

Sample ID: 17G0779-04

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	71.8		% Wt	1		SM 2540G	7/26/17	7/27/17 8:21	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: 17G0779

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-87-1

Sampled: 7/19/2017 15:05

Sample ID: 17G0779-05

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	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 12:52	PJG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 12:52	PJG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 12:52	PJG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 12:52	PJG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 12:52	PJG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 12:52	PJG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 12:52	PJG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 12:52	PJG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 12:52	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		103	30-150					8/3/17 12:52	
Decachlorobiphenyl [2]		108	30-150					8/3/17 12:52	
Tetrachloro-m-xylene [1]		116	30-150					8/3/17 12:52	
Tetrachloro-m-xylene [2]		119	30-150					8/3/17 12:52	

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: 17G0779

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-87-1

Sampled: 7/19/2017 15:05

Sample ID: 17G0779-05

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.7		% Wt	1		SM 2540G	7/26/17	7/27/17 8:21	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: 17G0779

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-87-2A

Sampled: 7/19/2017 15:06

Sample ID: 17G0779-06

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	0.099	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 13:04	PJG
Aroclor-1221 [1]	ND	0.099	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 13:04	PJG
Aroclor-1232 [1]	ND	0.099	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 13:04	PJG
Aroclor-1242 [1]	ND	0.099	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 13:04	PJG
Aroclor-1248 [1]	ND	0.099	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 13:04	PJG
Aroclor-1254 [1]	ND	0.099	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 13:04	PJG
Aroclor-1260 [1]	ND	0.099	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 13:04	PJG
Aroclor-1262 [1]	ND	0.099	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 13:04	PJG
Aroclor-1268 [1]	ND	0.099	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 13:04	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		85.4	30-150					8/3/17 13:04	
Decachlorobiphenyl [2]		90.1	30-150					8/3/17 13:04	
Tetrachloro-m-xylene [1]		94.5	30-150					8/3/17 13:04	
Tetrachloro-m-xylene [2]		96.5	30-150					8/3/17 13:04	

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

Sample Description:

Work Order: 17G0779

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-87-2A

Sampled: 7/19/2017 15:06

Sample ID: 17G0779-06

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	7/26/17	7/27/17 8:21	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: 17G0779

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-87-2B

Sampled: 7/19/2017 15:07

Sample ID: 17G0779-07

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 20:51	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 20:51	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 20:51	BGL
Benzo(a)anthracene	0.63	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 20:51	BGL
Benzo(a)pyrene	0.71	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 20:51	BGL
Benzo(b)fluoranthene	0.86	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 20:51	BGL
Benzo(g,h,i)perylene	0.72	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 20:51	BGL
Benzo(k)fluoranthene	0.27	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 20:51	BGL
Chrysene	0.86	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 20:51	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 20:51	BGL
Fluoranthene	0.97	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 20:51	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 20:51	BGL
Indeno(1,2,3-cd)pyrene	0.62	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 20:51	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 20:51	BGL
Naphthalene	0.22	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 20:51	BGL
Phenanthrene	0.55	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 20:51	BGL
Pyrene	1.3	0.19	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 20:51	BGL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Nitrobenzene-d5		45.7	30-130					7/28/17 20:51	
2-Fluorobiphenyl		45.8	30-130					7/28/17 20:51	
p-Terphenyl-d14		52.6	30-130					7/28/17 20:51	

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

Sample Description:

Work Order: 17G0779

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-87-2B

Sampled: 7/19/2017 15:07

Sample ID: 17G0779-07

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	450	230	mg/Kg dry	10		CTDEP ETPH	7/26/17	7/27/17 20:46	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		80.6	50-150					7/27/17 20:46	

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

Sample Description:

Work Order: 17G0779

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-87-2B

Sampled: 7/19/2017 15:07

Sample ID: 17G0779-07

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	39	2.7	mg/Kg dry	1		SW-846 6010C-D	7/21/17	7/24/17 18:05	QNW

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

Sample Description:

Work Order: 17G0779

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-87-2B

Sampled: 7/19/2017 15:07

Sample ID: 17G0779-07

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.0		% Wt	1		SM 2540G	7/26/17	7/27/17 8:21	MRL

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

Sample Description:

Work Order: 17G0779

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-87-3

Sampled: 7/19/2017 15:08

Sample ID: 17G0779-08

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	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 13:17	PJG
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 13:17	PJG
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 13:17	PJG
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 13:17	PJG
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 13:17	PJG
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 13:17	PJG
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 13:17	PJG
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 13:17	PJG
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 13:17	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		83.3	30-150					8/3/17 13:17	
Decachlorobiphenyl [2]		88.9	30-150					8/3/17 13:17	
Tetrachloro-m-xylene [1]		93.5	30-150					8/3/17 13:17	
Tetrachloro-m-xylene [2]		95.9	30-150					8/3/17 13:17	

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

Sample Description:

Work Order: 17G0779

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-87-3

Sampled: 7/19/2017 15:08

Sample ID: 17G0779-08

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	83.4		% Wt	1		SM 2540G	7/26/17	7/27/17 8:21	MRL

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

Sample Description:

Work Order: 17G0779

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-87-4

Sampled: 7/19/2017 15:09

Sample ID: 17G0779-09

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	0.16	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 13:30	PJG
Aroclor-1221 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 13:30	PJG
Aroclor-1232 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 13:30	PJG
Aroclor-1242 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 13:30	PJG
Aroclor-1248 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 13:30	PJG
Aroclor-1254 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 13:30	PJG
Aroclor-1260 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 13:30	PJG
Aroclor-1262 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 13:30	PJG
Aroclor-1268 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 13:30	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		89.7	30-150					8/3/17 13:30	
Decachlorobiphenyl [2]		103	30-150					8/3/17 13:30	
Tetrachloro-m-xylene [1]		101	30-150					8/3/17 13:30	
Tetrachloro-m-xylene [2]		105	30-150					8/3/17 13:30	

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

Sample Description:

Work Order: 17G0779

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-87-4

Sampled: 7/19/2017 15:09

Sample ID: 17G0779-09

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	61.7		% Wt	1		SM 2540G	7/26/17	7/27/17 8:21	MRL

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

Sample Description:

Work Order: 17G0779

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-DUP-8

Sampled: 7/19/2017 00:00

Sample ID: 17G0779-10

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	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 13:55	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 13:55	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 13:55	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 13:55	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 13:55	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 13:55	PJG
Aroclor-1260 [2]	0.12	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 13:55	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 13:55	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 13:55	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.5	30-150					8/3/17 13:55	
Decachlorobiphenyl [2]		90.7	30-150					8/3/17 13:55	
Tetrachloro-m-xylene [1]		97.1	30-150					8/3/17 13:55	
Tetrachloro-m-xylene [2]		98.9	30-150					8/3/17 13:55	

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

Sample Description:

Work Order: 17G0779

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-DUP-8

Sampled: 7/19/2017 00:00

Sample ID: 17G0779-10

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.6		% Wt	1		SM 2540G	7/26/17	7/27/17 8:21	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: 17G0779

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-DUP-9A

Sampled: 7/19/2017 00:00

Sample ID: 17G0779-11

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	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 14:08	PJG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 14:08	PJG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 14:08	PJG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 14:08	PJG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 14:08	PJG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 14:08	PJG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 14:08	PJG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 14:08	PJG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 14:08	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		84.7	30-150					8/3/17 14:08	
Decachlorobiphenyl [2]		90.8	30-150					8/3/17 14:08	
Tetrachloro-m-xylene [1]		95.2	30-150					8/3/17 14:08	
Tetrachloro-m-xylene [2]		98.9	30-150					8/3/17 14:08	

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: 17G0779

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-DUP-9A

Sampled: 7/19/2017 00:00

Sample ID: 17G0779-11

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.4		% Wt	1		SM 2540G	7/26/17	7/27/17 8:21	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: 17G0779

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-DUP-9B

Sampled: 7/19/2017 00:00

Sample ID: 17G0779-12

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	0.21	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 21:15	BGL
Acenaphthylene	ND	0.21	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 21:15	BGL
Anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 21:15	BGL
Benzo(a)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 21:15	BGL
Benzo(a)pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 21:15	BGL
Benzo(b)fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 21:15	BGL
Benzo(g,h,i)perylene	ND	0.21	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 21:15	BGL
Benzo(k)fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 21:15	BGL
Chrysene	0.37	0.21	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 21:15	BGL
Dibenz(a,h)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 21:15	BGL
Fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 21:15	BGL
Fluorene	ND	0.21	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 21:15	BGL
Indeno(1,2,3-cd)pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 21:15	BGL
2-Methylnaphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 21:15	BGL
Naphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 21:15	BGL
Phenanthrene	0.33	0.21	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 21:15	BGL
Pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	7/26/17	7/28/17 21:15	BGL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Nitrobenzene-d5		38.3	30-130					7/28/17 21:15	
2-Fluorobiphenyl		37.7	30-130					7/28/17 21:15	
p-Terphenyl-d14		45.9	30-130					7/28/17 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: 17G0779

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-DUP-9B

Sampled: 7/19/2017 00:00

Sample ID: 17G0779-12

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	1000	240	mg/Kg dry	10		CTDEP ETPH	7/26/17	7/28/17 0:01	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl		105		50-150				7/28/17 0:01	

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

Sample Description:

Work Order: 17G0779

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-DUP-9B

Sampled: 7/19/2017 00:00

Sample ID: 17G0779-12

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	42	3.0	mg/Kg dry	1		SW-846 6010C-D	7/21/17	7/24/17 18:05	QNW

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

Sample Description:

Work Order: 17G0779

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-DUP-9B

Sampled: 7/19/2017 00:00

Sample ID: 17G0779-12

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	82.3		% Wt	1		SM 2540G	7/26/17	7/27/17 8:21	MRL

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

Sample Description:

Work Order: 17G0779

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-DUP-10

Sampled: 7/19/2017 00:00

Sample ID: 17G0779-13

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	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 14:20	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 14:20	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 14:20	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 14:20	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 14:20	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 14:20	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 14:20	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 14:20	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 14:20	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		85.5	30-150					8/3/17 14:20	
Decachlorobiphenyl [2]		93.2	30-150					8/3/17 14:20	
Tetrachloro-m-xylene [1]		95.6	30-150					8/3/17 14:20	
Tetrachloro-m-xylene [2]		98.0	30-150					8/3/17 14:20	

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

Sample Description:

Work Order: 17G0779

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-DUP-10

Sampled: 7/19/2017 00:00

Sample ID: 17G0779-13

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.6		% Wt	1		SM 2540G	7/26/17	7/27/17 8:21	MRL

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

Sample Description:

Work Order: 17G0779

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-DUP-11

Sampled: 7/19/2017 00:00

Sample ID: 17G0779-14

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 14:33	PJG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 14:33	PJG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 14:33	PJG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 14:33	PJG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 14:33	PJG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 14:33	PJG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 14:33	PJG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 14:33	PJG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 14:33	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		67.9	30-150					8/3/17 14:33	
Decachlorobiphenyl [2]		73.0	30-150					8/3/17 14:33	
Tetrachloro-m-xylene [1]		73.6	30-150					8/3/17 14:33	
Tetrachloro-m-xylene [2]		75.0	30-150					8/3/17 14:33	

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

Sample Description:

Work Order: 17G0779

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-DUP-11

Sampled: 7/19/2017 00:00

Sample ID: 17G0779-14

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	93.6		% Wt	1		SM 2540G	7/26/17	7/27/17 8:21	MRL

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

Sample Description:

Work Order: 17G0779

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-DUP-12

Sampled: 7/19/2017 00:00

Sample ID: 17G0779-15

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	5		SW-846 8082A	7/26/17	8/3/17 14:46	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 14:46	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 14:46	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 14:46	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 14:46	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 14:46	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 14:46	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 14:46	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/26/17	8/3/17 14:46	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		82.3	30-150					8/3/17 14:46	
Decachlorobiphenyl [2]		90.3	30-150					8/3/17 14:46	
Tetrachloro-m-xylene [1]		96.2	30-150					8/3/17 14:46	
Tetrachloro-m-xylene [2]		97.0	30-150					8/3/17 14:46	

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

Sample Description:

Work Order: 17G0779

Date Received: 7/19/2017

Field Sample #: WS-AOC12W-SO-DUP-12

Sampled: 7/19/2017 00:00

Sample ID: 17G0779-15

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.3		% Wt	1		SM 2540G	7/26/17	7/27/17 8:21	MRL

Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0779-07 [WS-AOC12W-SO-87-2B]	B182589	30.0	2.00	07/26/17
17G0779-12 [WS-AOC12W-SO-DUP-9B]	B182589	30.0	2.00	07/26/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17G0779-01 [WS-AOC12W-SO-86-1]	B182552	07/26/17
17G0779-02 [WS-AOC12W-SO-86-2]	B182552	07/26/17
17G0779-03 [WS-AOC12W-SO-86-3]	B182552	07/26/17
17G0779-04 [WS-AOC12W-SO-86-4]	B182552	07/26/17
17G0779-05 [WS-AOC12W-SO-87-1]	B182552	07/26/17
17G0779-06 [WS-AOC12W-SO-87-2A]	B182552	07/26/17
17G0779-07 [WS-AOC12W-SO-87-2B]	B182552	07/26/17
17G0779-08 [WS-AOC12W-SO-87-3]	B182552	07/26/17
17G0779-09 [WS-AOC12W-SO-87-4]	B182552	07/26/17
17G0779-10 [WS-AOC12W-SO-DUP-8]	B182552	07/26/17
17G0779-11 [WS-AOC12W-SO-DUP-9A]	B182552	07/26/17
17G0779-12 [WS-AOC12W-SO-DUP-9B]	B182552	07/26/17
17G0779-13 [WS-AOC12W-SO-DUP-10]	B182552	07/26/17
17G0779-14 [WS-AOC12W-SO-DUP-11]	B182552	07/26/17
17G0779-15 [WS-AOC12W-SO-DUP-12]	B182552	07/26/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0779-07 [WS-AOC12W-SO-87-2B]	B182194	1.05	50.0	07/21/17
17G0779-12 [WS-AOC12W-SO-DUP-9B]	B182194	1.01	50.0	07/21/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0779-01 [WS-AOC12W-SO-86-1]	B182509	10.1	10.0	07/26/17
17G0779-02 [WS-AOC12W-SO-86-2]	B182509	10.8	10.0	07/26/17
17G0779-03 [WS-AOC12W-SO-86-3]	B182509	10.8	10.0	07/26/17
17G0779-04 [WS-AOC12W-SO-86-4]	B182509	10.6	10.0	07/26/17
17G0779-05 [WS-AOC12W-SO-87-1]	B182509	10.0	10.0	07/26/17
17G0779-06 [WS-AOC12W-SO-87-2A]	B182509	10.5	10.0	07/26/17
17G0779-08 [WS-AOC12W-SO-87-3]	B182509	10.4	10.0	07/26/17
17G0779-09 [WS-AOC12W-SO-87-4]	B182509	10.1	10.0	07/26/17
17G0779-10 [WS-AOC12W-SO-DUP-8]	B182509	10.3	10.0	07/26/17
17G0779-11 [WS-AOC12W-SO-DUP-9A]	B182509	10.0	10.0	07/26/17
17G0779-13 [WS-AOC12W-SO-DUP-10]	B182509	10.7	10.0	07/26/17
17G0779-14 [WS-AOC12W-SO-DUP-11]	B182509	10.0	10.0	07/26/17
17G0779-15 [WS-AOC12W-SO-DUP-12]	B182509	10.4	10.0	07/26/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0779-07 [WS-AOC12W-SO-87-2B]	B182604	30.0	1.00	07/26/17
17G0779-12 [WS-AOC12W-SO-DUP-9B]	B182604	30.0	1.00	07/26/17

Sample Extraction Data

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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 B182604 - SW-846 3546										
Blank (B182604-BLK1)										
Prepared: 07/26/17 Analyzed: 07/27/17										
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	2.42		mg/Kg wet	3.33		72.6	30-130			
Surrogate: 2-Fluorobiphenyl	2.38		mg/Kg wet	3.33		71.4	30-130			
Surrogate: p-Terphenyl-d14	2.72		mg/Kg wet	3.33		81.5	30-130			
LCS (B182604-BS1)										
Prepared: 07/26/17 Analyzed: 07/27/17										
Acenaphthene	0.860	0.17	mg/Kg wet	1.67		51.6	40-140			
Acenaphthylene	0.832	0.17	mg/Kg wet	1.67		49.9	40-140			
Anthracene	0.914	0.17	mg/Kg wet	1.67		54.8	40-140			
Benzo(a)anthracene	0.935	0.17	mg/Kg wet	1.67		56.1	40-140			
Benzo(a)pyrene	0.940	0.17	mg/Kg wet	1.67		56.4	40-140			
Benzo(b)fluoranthene	0.852	0.17	mg/Kg wet	1.67		51.1	40-140			
Benzo(g,h,i)perylene	1.11	0.17	mg/Kg wet	1.67		66.4	40-140			
Benzo(k)fluoranthene	0.863	0.17	mg/Kg wet	1.67		51.8	40-140			
Chrysene	0.934	0.17	mg/Kg wet	1.67		56.0	40-140			
Dibenz(a,h)anthracene	1.03	0.17	mg/Kg wet	1.67		61.8	40-140			
Fluoranthene	0.889	0.17	mg/Kg wet	1.67		53.3	40-140			
Fluorene	0.876	0.17	mg/Kg wet	1.67		52.6	40-140			
Indeno(1,2,3-cd)pyrene	0.984	0.17	mg/Kg wet	1.67		59.1	40-140			
2-Methylnaphthalene	0.851	0.17	mg/Kg wet	1.67		51.0	40-140			
Naphthalene	0.836	0.17	mg/Kg wet	1.67		50.1	40-140			
Phenanthrene	0.915	0.17	mg/Kg wet	1.67		54.9	40-140			
Pyrene	0.887	0.17	mg/Kg wet	1.67		53.2	40-140			
Surrogate: Nitrobenzene-d5	1.92		mg/Kg wet	3.33		57.6	30-130			
Surrogate: 2-Fluorobiphenyl	1.93		mg/Kg wet	3.33		57.9	30-130			
Surrogate: p-Terphenyl-d14	2.13		mg/Kg wet	3.33		63.8	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 B182604 - SW-846 3546										
LCS Dup (B182604-BSD1)										
					Prepared: 07/26/17 Analyzed: 07/27/17					
Acenaphthene	1.04	0.17	mg/Kg wet	1.67		62.7	40-140	19.3	30	
Acenaphthylene	1.02	0.17	mg/Kg wet	1.67		61.1	40-140	20.0	30	
Anthracene	1.12	0.17	mg/Kg wet	1.67		67.1	40-140	20.1	30	
Benzo(a)anthracene	1.13	0.17	mg/Kg wet	1.67		68.0	40-140	19.2	30	
Benzo(a)pyrene	1.12	0.17	mg/Kg wet	1.67		66.9	40-140	17.1	30	
Benzo(b)fluoranthene	1.01	0.17	mg/Kg wet	1.67		60.8	40-140	17.2	30	
Benzo(g,h,i)perylene	1.35	0.17	mg/Kg wet	1.67		81.1	40-140	20.0	30	
Benzo(k)fluoranthene	1.04	0.17	mg/Kg wet	1.67		62.3	40-140	18.4	30	
Chrysene	1.11	0.17	mg/Kg wet	1.67		66.7	40-140	17.4	30	
Dibenz(a,h)anthracene	1.26	0.17	mg/Kg wet	1.67		75.9	40-140	20.4	30	
Fluoranthene	1.11	0.17	mg/Kg wet	1.67		66.8	40-140	22.5	30	
Fluorene	1.06	0.17	mg/Kg wet	1.67		63.6	40-140	19.0	30	
Indeno(1,2,3-cd)pyrene	1.27	0.17	mg/Kg wet	1.67		76.0	40-140	25.1	30	
2-Methylnaphthalene	1.04	0.17	mg/Kg wet	1.67		62.4	40-140	20.1	30	
Naphthalene	1.01	0.17	mg/Kg wet	1.67		60.5	40-140	18.8	30	
Phenanthrene	1.10	0.17	mg/Kg wet	1.67		66.2	40-140	18.7	30	
Pyrene	1.12	0.17	mg/Kg wet	1.67		67.2	40-140	23.2	30	
Surrogate: Nitrobenzene-d5	2.33		mg/Kg wet	3.33		70.0	30-130			
Surrogate: 2-Fluorobiphenyl	2.33		mg/Kg wet	3.33		69.9	30-130			
Surrogate: p-Terphenyl-d14	2.60		mg/Kg wet	3.33		78.0	30-130			

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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 B182509 - SW-846 3540C										
Blank (B182509-BLK1)										
Prepared: 07/26/17 Analyzed: 07/31/17										
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	0.193		mg/Kg wet	0.200		96.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.207		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene	0.182		mg/Kg wet	0.200		90.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.188		mg/Kg wet	0.200		94.1	30-150			
LCS (B182509-BS1)										
Prepared: 07/26/17 Analyzed: 07/31/17										
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		84.6	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		95.1	40-140			
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		76.3	40-140			
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		85.9	40-140			
Surrogate: Decachlorobiphenyl	0.198		mg/Kg wet	0.200		99.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.212		mg/Kg wet	0.200		106	30-150			
Surrogate: Tetrachloro-m-xylene	0.191		mg/Kg wet	0.200		95.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.196		mg/Kg wet	0.200		98.1	30-150			
LCS Dup (B182509-BSD1)										
Prepared: 07/26/17 Analyzed: 07/31/17										
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		83.5	40-140	1.37	30	
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		95.6	40-140	0.506	30	
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		75.1	40-140	1.69	30	
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		84.6	40-140	1.55	30	
Surrogate: Decachlorobiphenyl	0.193		mg/Kg wet	0.200		96.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.209		mg/Kg wet	0.200		105	30-150			
Surrogate: Tetrachloro-m-xylene	0.185		mg/Kg wet	0.200		92.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.196		mg/Kg wet	0.200		97.8	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B182509 - SW-846 3540C

Matrix Spike (B182509-MS1)

Source: 17G0779-01

Prepared: 07/26/17 Analyzed: 08/03/17

Aroclor-1016	0.21	0.10	mg/Kg dry	0.203	ND	102	40-140			
Aroclor-1016 [2C]	0.23	0.10	mg/Kg dry	0.203	ND	111	40-140			
Aroclor-1260	0.17	0.10	mg/Kg dry	0.203	ND	81.8	40-140			
Aroclor-1260 [2C]	0.17	0.10	mg/Kg dry	0.203	ND	85.0	40-140			
Surrogate: Decachlorobiphenyl	0.168		mg/Kg dry	0.203		82.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.181		mg/Kg dry	0.203		88.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.195		mg/Kg dry	0.203		95.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.201		mg/Kg dry	0.203		98.9	30-150			

Matrix Spike Dup (B182509-MSD1)

Source: 17G0779-01

Prepared: 07/26/17 Analyzed: 08/03/17

Aroclor-1016	0.21	0.10	mg/Kg dry	0.203	ND	106	40-140	3.53	50	
Aroclor-1016 [2C]	0.23	0.10	mg/Kg dry	0.203	ND	114	40-140	2.63	50	
Aroclor-1260	0.17	0.10	mg/Kg dry	0.203	ND	85.3	40-140	4.16	50	
Aroclor-1260 [2C]	0.18	0.10	mg/Kg dry	0.203	ND	90.9	40-140	6.67	50	
Surrogate: Decachlorobiphenyl	0.174		mg/Kg dry	0.203		85.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.186		mg/Kg dry	0.203		91.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.204		mg/Kg dry	0.203		100	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.208		mg/Kg dry	0.203		102	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 B182589 - SW-846 3546										
Blank (B182589-BLK1)										
					Prepared: 07/26/17 Analyzed: 07/27/17					
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	3.17		mg/Kg wet	3.33		95.1	50-150			
LCS (B182589-BS1)										
					Prepared: 07/26/17 Analyzed: 07/27/17					
CT ETPH	32.7	10	mg/Kg wet	33.3		98.1	60-120			
Surrogate: o-Terphenyl	2.50		mg/Kg wet	3.33		75.1	50-150			
LCS Dup (B182589-BSD1)										
					Prepared: 07/26/17 Analyzed: 07/27/17					
CT ETPH	29.7	10	mg/Kg wet	33.3		89.0	60-120	9.67	30	
Surrogate: o-Terphenyl	2.58		mg/Kg wet	3.33		77.4	50-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B182194 - SW-846 3050B										
Blank (B182194-BLK1)										
					Prepared: 07/21/17 Analyzed: 07/24/17					
Arsenic	ND	2.5	mg/Kg wet							
LCS (B182194-BS1)										
					Prepared: 07/21/17 Analyzed: 07/24/17					
Arsenic	51.6	5.0	mg/Kg wet	57.0		90.5	77.8-122.1			
LCS Dup (B182194-BSD1)										
					Prepared: 07/21/17 Analyzed: 07/24/17					
Arsenic	51.2	4.9	mg/Kg wet	57.0		89.9	77.8-122.1	0.723	30	

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QUALITY CONTROL

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B182552 - % Solids

Duplicate (B182552-DUP3)

Source: 17G0779-01

Prepared: 07/26/17 Analyzed: 07/27/17

% Solids	97.3		% Wt		97.4			0.103	20	
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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

WS-AOC12W-SO-DUP-8

SW-846 8082A

Lab Sample ID: 17G0779-10 Date(s) Analyzed: 08/03/2017 08/03/2017

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	-0.030	0.030	0.12	
	2	0.000	-0.030	0.030	0.12	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

SW-846 8082A

Lab Sample ID: B182509-BS1 Date(s) Analyzed: 07/31/2017 07/31/2017

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	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.19	11.1
Aroclor-1260	1	0.000	-0.030	0.030	0.15	
	2	0.000	-0.030	0.030	0.17	12.5

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

SW-846 8082A

Lab Sample ID: B182509-BSD1 Date(s) Analyzed: 07/31/2017 07/31/2017

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	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.19	11.1
Aroclor-1260	1	0.000	-0.030	0.030	0.15	
	2	0.000	-0.030	0.030	0.17	12.5

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

Matrix Spike

SW-846 8082A

Lab Sample ID: B182509-MS1 Date(s) Analyzed: 08/03/2017 08/03/2017

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	0.21	
	2	0.000	-0.030	0.030	0.23	9.1
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.17	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

Matrix Spike Dup

SW-846 8082A

Lab Sample ID: B182509-MSD1 Date(s) Analyzed: 08/03/2017 08/03/2017
 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	0.21	
	2	0.000	-0.030	0.030	0.23	4.4
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.18	5.7

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
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.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
SW-846 6010C-D in Soil	
Arsenic	CT,NH,NY,ME,VA,NC
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

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 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 #:

of Containers

2 Preservation Code

3 Container Code

Dissolved Metals Samples
 Field Filtered
 Lab to Filter

Orthophosphate Samples
 Field Filtered
 Lab to Filter

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1	WS-APC12W-50-86-1	7/19/17	15:01		X	S	U
2	WS-APC12W-50-86-2		15:03				
3	WS-APC12W-50-86-3		15:03				
4	WS-APC12W-50-86-4		15:04				
5	WS-APC12W-50-87-1		15:05				
6	WS-APC12W-50-87-2A		15:06				
7	WS-APC12W-50-87-2B		15:07				
8	WS-APC12W-50-87-3		15:08				
9	WS-APC12W-50-87-4		15:09				

ANALYSIS REQUESTED

(Soxhlet) PCBs
SPLP PCBs
PAHs
ETPH
SPLP ETPH
Arsenic

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

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

Comments:

Please hold excess volumes for possible SPLP analyses.

Relinquished by: (signature)	Date/Time
<i>[Signature]</i>	7/18/17 15:33
Received by: (signature)	Date/Time
<i>[Signature]</i>	7/19/17 15:30
Relinquished by: (signature)	Date/Time
<i>[Signature]</i>	7/19/17 17:40
Received by: (signature)	Date/Time
<i>[Signature]</i>	7/19/17 17:40
Relinquished by: (signature)	Date/Time
<i>[Signature]</i>	
Received by: (signature)	Date/Time
<i>[Signature]</i>	

1760779

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



Email: info@contestlabs.com

Company Name: Weston & Sampson Engineers
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:

Invoice Recipient: Malcolm Beeler (Weston & Sampson)

Sampled By: Chris Berthiaume/Will Sirotinak

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

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
10	WS-AOC12W-SO-DUP-8	7/19/17		X		S	U
11	WS-AOC12W-SO-DUP-9A	7/19/17					
12	WS-AOC12W-SO-DUP-9B						
13	WS-AOC12W-SO-DUP-10						
14	WS-AOC12W-SO-DUP-11						
15	WS-AOC12W-SO-DUP-12						
16	(SW)						
17							

ANALYSIS REQUESTED

(SOXHLET) PCBs
 SPLP PCBs
 PAHs
 ETPH
 SPLP ETPH
 Arsenic

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

Comments:

Please hold excess volumes for possible SPLP analyses.

Detection Limit Requirements

Relinquished by: (signature)	Date/Time
[Signature]	7/19/17 1530
Received by: (signature)	Date/Time
[Signature]	7/19/17 1530
Relinquished by: (signature)	Date/Time
[Signature]	7/19/17 1740
Received by: (signature)	Date/Time
[Signature]	7/19/17 1740
Relinquished by: (signature)	Date/Time
[Signature]	
Received by: (signature)	Date/Time
[Signature]	

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 7/19/17 Time 1740
 How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
 Direct from Sampling _____ Ambient _____ Melted Ice _____
 Were samples within Temperature? 2-6°C T By Gun # 2 Actual Temp - 3.4, 2.9, 4.1
 By Blank # _____ Actual Temp - _____
 Was Custody Seal Intact? N/A Were Samples Tampered with? F
 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? _____
 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-	<u>20</u>	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\A072717.SEC\A0727055.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 7/27/17
 Data File Name A0727055.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	%D +/- 20
c - 9	1.14	429971	456453	-6
c - 10	1.49	436660	456453	-4
c - 12	2.22	455312	456453	0
c - 14	2.88	461259	456453	1
c - 16	3.48	469293	456453	3
c - 18	4.05	462720	456453	1
o-Terphenyl	4.36	532470	456453	
c - 20	4.66	470640	456453	3
c - 22	5.18	476652	456453	4
c - 24	5.62	443852	456453	-3
c - 26	6.01	468554	456453	3
c - 28	6.37	463829	456453	2
c - 30	6.70	457044	456453	0
c - 32	7.01	446255	456453	-2
c - 34	7.30	450835	456453	-1
c - 36	7.58	453922	456453	-1

* One compound allowed %D <= 50%

Samples

17G0775-13
 17G0679-08@20X
 17G0772-08@10X
 17G0778-14@5X
 17G0779-07@10X
 17G0779-12@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: 17G0779

Laboratory Sample ID(s):

Sample Date(s):

17G0779-01 thru 17G0779-15

07/19/2017

List RCP Methods Used:

CTDEP ETPH, SW-846 6010C-D, 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 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 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: 08/03/17

Name of Laboratory: Con-Test Analytical Laboratory

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

August 3, 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: 17G0865

Enclosed are results of analyses for samples received by the laboratory on July 20, 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: 8/3/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G0865

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-AOC12W-SO-68-1A	17G0865-01	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-68-1B	17G0865-02	Soil		SM 2540G SW-846 8270D	
WS-AOC12W-SO-68-2	17G0865-03	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-68-3	17G0865-04	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-74-1	17G0865-05	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-74-2	17G0865-06	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-74-3	17G0865-07	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-74-4	17G0865-08	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-65-1	17G0865-09	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-65-2	17G0865-10	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-65-3	17G0865-11	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-70-1	17G0865-12	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-70-2A	17G0865-13	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-70-2B	17G0865-14	Soil		CTDEP ETPH SM 2540G SW-846 6010C-D	
WS-AOC12W-SO-70-3	17G0865-15	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-70-4	17G0865-16	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-59-1	17G0865-17	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-59-2	17G0865-18	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-59-3	17G0865-19	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-63-1A	17G0865-20	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.

For method 6010, only As was requested and reported.

For method 8270, only PAHs were requested and reported.

SW-846 6010C/D SW-846 6020A/B

For NC, Metals methods SW-846 6010D and SW-846 6020B are followed, and for all other states methods SW-846 6010C and SW-846 6020A are followed.

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

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

A handwritten signature in black ink, appearing to read "Lisa A. Worthington", is written over a light gray rectangular background.

Lisa A. Worthington
Project Manager

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

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-68-1A

Sampled: 7/20/2017 09:00

Sample ID: 17G0865-01

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	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:43	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:43	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:43	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:43	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:43	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:43	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:43	KAL
Aroclor-1262 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:43	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:43	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		79.1	30-150					7/31/17 17:43	
Decachlorobiphenyl [2]		74.1	30-150					7/31/17 17:43	
Tetrachloro-m-xylene [1]		75.4	30-150					7/31/17 17:43	
Tetrachloro-m-xylene [2]		76.8	30-150					7/31/17 17:43	

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-68-1A

Sampled: 7/20/2017 09:00

Sample ID: 17G0865-01

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	93.1		% Wt	1		SM 2540G	7/28/17	7/28/17 10:26	MRL

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-68-1B

Sampled: 7/20/2017 09:02

Sample ID: 17G0865-02

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	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 11:48	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 11:48	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 11:48	BGL
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 11:48	BGL
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 11:48	BGL
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 11:48	BGL
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 11:48	BGL
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 11:48	BGL
Chrysene	0.25	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 11:48	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 11:48	BGL
Fluoranthene	0.21	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 11:48	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 11:48	BGL
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 11:48	BGL
2-Methylnaphthalene	0.33	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 11:48	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 11:48	BGL
Phenanthrene	0.54	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 11:48	BGL
Pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 11:48	BGL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Nitrobenzene-d5		34.9	30-130					7/31/17 11:48	
2-Fluorobiphenyl		32.1	30-130					7/31/17 11:48	
p-Terphenyl-d14		32.4	30-130					7/31/17 11:48	

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-68-1B

Sampled: 7/20/2017 09:02

Sample ID: 17G0865-02

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	91.1		% Wt	1		SM 2540G	7/28/17	7/28/17 10:26	MRL

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-68-2

Sampled: 7/20/2017 09:04

Sample ID: 17G0865-03

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	5		SW-846 8082A	7/27/17	7/31/17 17:56	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:56	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:56	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:56	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:56	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:56	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:56	KAL
Aroclor-1262 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:56	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:56	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		75.2	30-150					7/31/17 17:56	
Decachlorobiphenyl [2]		72.8	30-150					7/31/17 17:56	
Tetrachloro-m-xylene [1]		71.5	30-150					7/31/17 17:56	
Tetrachloro-m-xylene [2]		73.6	30-150					7/31/17 17:56	

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-68-2

Sampled: 7/20/2017 09:04

Sample ID: 17G0865-03

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.0		% Wt	1		SM 2540G	7/28/17	7/29/17 5:34	MRL

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-68-3

Sampled: 7/20/2017 09:06

Sample ID: 17G0865-04

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	0.18	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:09	KAL
Aroclor-1221 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:09	KAL
Aroclor-1232 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:09	KAL
Aroclor-1242 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:09	KAL
Aroclor-1248 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:09	KAL
Aroclor-1254 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:09	KAL
Aroclor-1260 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:09	KAL
Aroclor-1262 [2]	ND	0.18	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:09	KAL
Aroclor-1268 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:09	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		89.2	30-150					7/31/17 18:09	
Decachlorobiphenyl [2]		79.9	30-150					7/31/17 18:09	
Tetrachloro-m-xylene [1]		84.2	30-150					7/31/17 18:09	
Tetrachloro-m-xylene [2]		82.5	30-150					7/31/17 18:09	

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: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-68-3

Sampled: 7/20/2017 09:06

Sample ID: 17G0865-04

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	55.0		% Wt	1		SM 2540G	7/28/17	7/29/17 5:34	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: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-74-1

Sampled: 7/20/2017 09:00

Sample ID: 17G0865-05

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	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:22	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:22	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:22	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:22	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:22	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:22	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:22	KAL
Aroclor-1262 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:22	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:22	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		76.0	30-150					7/31/17 18:22	
Decachlorobiphenyl [2]		71.5	30-150					7/31/17 18:22	
Tetrachloro-m-xylene [1]		66.3	30-150					7/31/17 18:22	
Tetrachloro-m-xylene [2]		68.0	30-150					7/31/17 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: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-74-1

Sampled: 7/20/2017 09:00

Sample ID: 17G0865-05

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.5		% Wt	1		SM 2540G	7/28/17	7/29/17 5:34	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: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-74-2

Sampled: 7/20/2017 09:01

Sample ID: 17G0865-06

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	5		SW-846 8082A	7/27/17	7/31/17 18:35	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:35	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:35	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:35	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:35	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:35	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:35	KAL
Aroclor-1262 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:35	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:35	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		80.5	30-150					7/31/17 18:35	
Decachlorobiphenyl [2]		74.1	30-150					7/31/17 18:35	
Tetrachloro-m-xylene [1]		72.7	30-150					7/31/17 18:35	
Tetrachloro-m-xylene [2]		73.1	30-150					7/31/17 18:35	

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: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-74-2

Sampled: 7/20/2017 09:01

Sample ID: 17G0865-06

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	92.8		% Wt	1		SM 2540G	7/28/17	7/29/17 5:34	MRL

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-74-3

Sampled: 7/20/2017 09:02

Sample ID: 17G0865-07

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	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:47	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:47	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:47	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:47	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:47	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:47	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:47	KAL
Aroclor-1262 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:47	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:47	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		59.0	30-150					7/31/17 18:47	
Decachlorobiphenyl [2]		54.3	30-150					7/31/17 18:47	
Tetrachloro-m-xylene [1]		56.1	30-150					7/31/17 18:47	
Tetrachloro-m-xylene [2]		59.1	30-150					7/31/17 18:47	

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: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-74-3

Sampled: 7/20/2017 09:02

Sample ID: 17G0865-07

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	84.7		% Wt	1		SM 2540G	7/28/17	7/29/17 5:34	MRL

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-74-4

Sampled: 7/20/2017 09:03

Sample ID: 17G0865-08

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	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:00	KAL
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:00	KAL
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:00	KAL
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:00	KAL
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:00	KAL
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:00	KAL
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:00	KAL
Aroclor-1262 [2]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:00	KAL
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:00	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		74.6	30-150					7/31/17 19:00	
Decachlorobiphenyl [2]		66.7	30-150					7/31/17 19:00	
Tetrachloro-m-xylene [1]		67.9	30-150					7/31/17 19:00	
Tetrachloro-m-xylene [2]		68.6	30-150					7/31/17 19:00	

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: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-74-4

Sampled: 7/20/2017 09:03

Sample ID: 17G0865-08

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	73.1		% Wt	1		SM 2540G	7/28/17	7/29/17 5:34	MRL

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-65-1

Sampled: 7/20/2017 09:17

Sample ID: 17G0865-09

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	5		SW-846 8082A	7/27/17	7/31/17 19:51	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:51	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:51	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:51	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:51	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:51	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:51	KAL
Aroclor-1262 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:51	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:51	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		82.4	30-150					7/31/17 19:51	
Decachlorobiphenyl [2]		77.8	30-150					7/31/17 19:51	
Tetrachloro-m-xylene [1]		73.4	30-150					7/31/17 19:51	
Tetrachloro-m-xylene [2]		73.8	30-150					7/31/17 19:51	

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-65-1

Sampled: 7/20/2017 09:17

Sample ID: 17G0865-09

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.5		% Wt	1		SM 2540G	7/28/17	7/29/17 5:34	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: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-65-2

Sampled: 7/20/2017 09:19

Sample ID: 17G0865-10

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	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:04	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:04	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:04	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:04	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:04	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:04	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:04	KAL
Aroclor-1262 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:04	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:04	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		70.7	30-150					7/31/17 20:04	
Decachlorobiphenyl [2]		65.5	30-150					7/31/17 20:04	
Tetrachloro-m-xylene [1]		64.3	30-150					7/31/17 20:04	
Tetrachloro-m-xylene [2]		65.7	30-150					7/31/17 20:04	

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: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-65-2

Sampled: 7/20/2017 09:19

Sample ID: 17G0865-10

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.5		% Wt	1		SM 2540G	7/28/17	7/29/17 5:34	MRL

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-65-3

Sampled: 7/20/2017 09:21

Sample ID: 17G0865-11

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	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:16	KAL
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:16	KAL
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:16	KAL
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:16	KAL
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:16	KAL
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:16	KAL
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:16	KAL
Aroclor-1262 [2]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:16	KAL
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:16	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		81.3	30-150					7/31/17 20:16	
Decachlorobiphenyl [2]		74.2	30-150					7/31/17 20:16	
Tetrachloro-m-xylene [1]		74.4	30-150					7/31/17 20:16	
Tetrachloro-m-xylene [2]		74.9	30-150					7/31/17 20:16	

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-65-3

Sampled: 7/20/2017 09:21

Sample ID: 17G0865-11

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	71.6		% Wt	1		SM 2540G	7/28/17	7/29/17 5:34	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: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-70-1

Sampled: 7/20/2017 09:22

Sample ID: 17G0865-12

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	5		SW-846 8082A	7/27/17	7/31/17 20:29	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:29	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:29	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:29	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:29	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:29	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:29	KAL
Aroclor-1262 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:29	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:29	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		71.9	30-150					7/31/17 20:29	
Decachlorobiphenyl [2]		65.3	30-150					7/31/17 20:29	
Tetrachloro-m-xylene [1]		65.0	30-150					7/31/17 20:29	
Tetrachloro-m-xylene [2]		67.1	30-150					7/31/17 20:29	

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-70-1

Sampled: 7/20/2017 09:22

Sample ID: 17G0865-12

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.6		% Wt	1		SM 2540G	7/28/17	7/29/17 5:34	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: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-70-2A

Sampled: 7/20/2017 09:23

Sample ID: 17G0865-13

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	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:42	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:42	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:42	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:42	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:42	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:42	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:42	KAL
Aroclor-1262 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:42	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:42	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		61.7	30-150					7/31/17 20:42	
Decachlorobiphenyl [2]		55.7	30-150					7/31/17 20:42	
Tetrachloro-m-xylene [1]		53.8	30-150					7/31/17 20:42	
Tetrachloro-m-xylene [2]		54.6	30-150					7/31/17 20:42	

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-70-2A

Sampled: 7/20/2017 09:23

Sample ID: 17G0865-13

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.9		% Wt	1		SM 2540G	7/28/17	7/29/17 5:34	MRL

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-70-2B

Sampled: 7/20/2017 09:24

Sample ID: 17G0865-14

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	380	55	mg/Kg dry	5		CTDEP ETPH	7/27/17	8/2/17 23:54	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		88.5	50-150					8/2/17 23:54	

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-70-2B

Sampled: 7/20/2017 09:24

Sample ID: 17G0865-14

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	15	2.7	mg/Kg dry	1		SW-846 6010C-D	7/24/17	7/26/17 12:12	QNW

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-70-2B

Sampled: 7/20/2017 09:24

Sample ID: 17G0865-14

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.8		% Wt	1		SM 2540G	7/28/17	7/29/17 5:34	MRL

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-70-3

Sampled: 7/20/2017 09:25

Sample ID: 17G0865-15

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	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:54	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:54	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:54	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:54	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:54	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:54	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:54	KAL
Aroclor-1262 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:54	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:54	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		71.0	30-150					7/31/17 20:54	
Decachlorobiphenyl [2]		66.1	30-150					7/31/17 20:54	
Tetrachloro-m-xylene [1]		68.3	30-150					7/31/17 20:54	
Tetrachloro-m-xylene [2]		70.5	30-150					7/31/17 20:54	

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-70-3

Sampled: 7/20/2017 09:25

Sample ID: 17G0865-15

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	84.1		% Wt	1		SM 2540G	7/28/17	7/29/17 5:34	MRL

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-70-4

Sampled: 7/20/2017 09:26

Sample ID: 17G0865-16

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	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:07	KAL
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:07	KAL
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:07	KAL
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:07	KAL
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:07	KAL
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:07	KAL
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:07	KAL
Aroclor-1262 [2]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:07	KAL
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:07	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		79.6	30-150					7/31/17 21:07	
Decachlorobiphenyl [2]		72.5	30-150					7/31/17 21:07	
Tetrachloro-m-xylene [1]		72.6	30-150					7/31/17 21:07	
Tetrachloro-m-xylene [2]		73.6	30-150					7/31/17 21:07	

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-70-4

Sampled: 7/20/2017 09:26

Sample ID: 17G0865-16

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	70.0		% Wt	1		SM 2540G	7/28/17	7/29/17 5:34	MRL

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-59-1

Sampled: 7/20/2017 09:40

Sample ID: 17G0865-17

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	5		SW-846 8082A	7/27/17	7/31/17 21:19	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:19	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:19	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:19	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:19	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:19	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:19	KAL
Aroclor-1262 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:19	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:19	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		71.8	30-150					7/31/17 21:19	
Decachlorobiphenyl [2]		67.1	30-150					7/31/17 21:19	
Tetrachloro-m-xylene [1]		65.5	30-150					7/31/17 21:19	
Tetrachloro-m-xylene [2]		66.0	30-150					7/31/17 21:19	

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-59-1

Sampled: 7/20/2017 09:40

Sample ID: 17G0865-17

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.7		% Wt	1		SM 2540G	7/28/17	7/29/17 5:34	MRL

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-59-2

Sampled: 7/20/2017 09:42

Sample ID: 17G0865-18

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	5		SW-846 8082A	7/27/17	7/31/17 21:32	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:32	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:32	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:32	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:32	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:32	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:32	KAL
Aroclor-1262 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:32	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:32	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		66.9	30-150					7/31/17 21:32	
Decachlorobiphenyl [2]		62.5	30-150					7/31/17 21:32	
Tetrachloro-m-xylene [1]		65.8	30-150					7/31/17 21:32	
Tetrachloro-m-xylene [2]		65.4	30-150					7/31/17 21:32	

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-59-2

Sampled: 7/20/2017 09:42

Sample ID: 17G0865-18

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	86.7		% Wt	1		SM 2540G	7/28/17	7/29/17 5:34	MRL

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-59-3

Sampled: 7/20/2017 09:44

Sample ID: 17G0865-19

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	0.17	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:44	KAL
Aroclor-1221 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:44	KAL
Aroclor-1232 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:44	KAL
Aroclor-1242 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:44	KAL
Aroclor-1248 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:44	KAL
Aroclor-1254 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:44	KAL
Aroclor-1260 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:44	KAL
Aroclor-1262 [2]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:44	KAL
Aroclor-1268 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:44	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		85.5	30-150					7/31/17 21:44	
Decachlorobiphenyl [2]		76.9	30-150					7/31/17 21:44	
Tetrachloro-m-xylene [1]		81.8	30-150					7/31/17 21:44	
Tetrachloro-m-xylene [2]		79.1	30-150					7/31/17 21:44	

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-59-3

Sampled: 7/20/2017 09:44

Sample ID: 17G0865-19

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	57.8		% Wt	1		SM 2540G	7/28/17	7/29/17 5:34	MRL

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-63-1A

Sampled: 7/20/2017 09:32

Sample ID: 17G0865-20

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	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:57	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:57	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:57	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:57	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:57	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:57	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:57	KAL
Aroclor-1262 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:57	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:57	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		81.9	30-150					7/31/17 21:57	
Decachlorobiphenyl [2]		75.3	30-150					7/31/17 21:57	
Tetrachloro-m-xylene [1]		77.2	30-150					7/31/17 21:57	
Tetrachloro-m-xylene [2]		76.4	30-150					7/31/17 21:57	

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-63-1A

Sampled: 7/20/2017 09:32

Sample ID: 17G0865-20

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	93.0		% Wt	1		SM 2540G	7/28/17	7/29/17 5:34	MRL

Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0865-14 [WS-AOC12W-SO-70-2B]	B182711	30.0	1.00	07/27/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17G0865-01 [WS-AOC12W-SO-68-1A]	B182677	07/28/17
17G0865-02 [WS-AOC12W-SO-68-1B]	B182677	07/28/17
17G0865-03 [WS-AOC12W-SO-68-2]	B182677	07/28/17
17G0865-04 [WS-AOC12W-SO-68-3]	B182677	07/28/17
17G0865-05 [WS-AOC12W-SO-74-1]	B182677	07/28/17
17G0865-06 [WS-AOC12W-SO-74-2]	B182677	07/28/17
17G0865-07 [WS-AOC12W-SO-74-3]	B182677	07/28/17
17G0865-08 [WS-AOC12W-SO-74-4]	B182677	07/28/17
17G0865-09 [WS-AOC12W-SO-65-1]	B182677	07/28/17
17G0865-10 [WS-AOC12W-SO-65-2]	B182677	07/28/17
17G0865-11 [WS-AOC12W-SO-65-3]	B182677	07/28/17
17G0865-12 [WS-AOC12W-SO-70-1]	B182677	07/28/17
17G0865-13 [WS-AOC12W-SO-70-2A]	B182677	07/28/17
17G0865-14 [WS-AOC12W-SO-70-2B]	B182677	07/28/17
17G0865-15 [WS-AOC12W-SO-70-3]	B182677	07/28/17
17G0865-16 [WS-AOC12W-SO-70-4]	B182677	07/28/17
17G0865-17 [WS-AOC12W-SO-59-1]	B182677	07/28/17
17G0865-18 [WS-AOC12W-SO-59-2]	B182677	07/28/17
17G0865-19 [WS-AOC12W-SO-59-3]	B182677	07/28/17
17G0865-20 [WS-AOC12W-SO-63-1A]	B182677	07/28/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0865-14 [WS-AOC12W-SO-70-2B]	B182378	1.01	50.0	07/24/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0865-01 [WS-AOC12W-SO-68-1A]	B182731	10.0	10.0	07/27/17
17G0865-03 [WS-AOC12W-SO-68-2]	B182731	10.0	10.0	07/27/17
17G0865-04 [WS-AOC12W-SO-68-3]	B182731	10.0	10.0	07/27/17
17G0865-05 [WS-AOC12W-SO-74-1]	B182731	10.0	10.0	07/27/17
17G0865-06 [WS-AOC12W-SO-74-2]	B182731	10.0	10.0	07/27/17
17G0865-07 [WS-AOC12W-SO-74-3]	B182731	10.0	10.0	07/27/17
17G0865-08 [WS-AOC12W-SO-74-4]	B182731	10.0	10.0	07/27/17
17G0865-09 [WS-AOC12W-SO-65-1]	B182731	10.0	10.0	07/27/17
17G0865-10 [WS-AOC12W-SO-65-2]	B182731	10.0	10.0	07/27/17
17G0865-11 [WS-AOC12W-SO-65-3]	B182731	10.0	10.0	07/27/17
17G0865-12 [WS-AOC12W-SO-70-1]	B182731	10.0	10.0	07/27/17
17G0865-13 [WS-AOC12W-SO-70-2A]	B182731	10.0	10.0	07/27/17
17G0865-15 [WS-AOC12W-SO-70-3]	B182731	10.0	10.0	07/27/17
17G0865-16 [WS-AOC12W-SO-70-4]	B182731	10.0	10.0	07/27/17
17G0865-17 [WS-AOC12W-SO-59-1]	B182731	10.0	10.0	07/27/17
17G0865-18 [WS-AOC12W-SO-59-2]	B182731	10.0	10.0	07/27/17
17G0865-19 [WS-AOC12W-SO-59-3]	B182731	10.0	10.0	07/27/17

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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
17G0865-20 [WS-AOC12W-SO-63-1A]	B182731	10.0	10.0	07/27/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0865-02 [WS-AOC12W-SO-68-1B]	B182702	30.0	1.00	07/27/17

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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 B182702 - SW-846 3546										
Blank (B182702-BLK1)										
Prepared: 07/27/17 Analyzed: 07/28/17										
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	1.56		mg/Kg wet	3.33		46.8	30-130			
Surrogate: 2-Fluorobiphenyl	1.50		mg/Kg wet	3.33		44.9	30-130			
Surrogate: p-Terphenyl-d14	1.56		mg/Kg wet	3.33		46.8	30-130			
LCS (B182702-BS1)										
Prepared: 07/27/17 Analyzed: 07/31/17										
Acenaphthene	1.17	0.17	mg/Kg wet	1.67		70.5	40-140			
Acenaphthylene	1.14	0.17	mg/Kg wet	1.67		68.2	40-140			
Anthracene	1.21	0.17	mg/Kg wet	1.67		72.4	40-140			
Benzo(a)anthracene	1.24	0.17	mg/Kg wet	1.67		74.4	40-140			
Benzo(a)pyrene	1.21	0.17	mg/Kg wet	1.67		72.7	40-140			
Benzo(b)fluoranthene	1.12	0.17	mg/Kg wet	1.67		67.1	40-140			
Benzo(g,h,i)perylene	1.48	0.17	mg/Kg wet	1.67		88.5	40-140			
Benzo(k)fluoranthene	1.13	0.17	mg/Kg wet	1.67		67.8	40-140			
Chrysene	1.24	0.17	mg/Kg wet	1.67		74.1	40-140			
Dibenz(a,h)anthracene	1.39	0.17	mg/Kg wet	1.67		83.3	40-140			
Fluoranthene	1.09	0.17	mg/Kg wet	1.67		65.3	40-140			
Fluorene	1.18	0.17	mg/Kg wet	1.67		70.6	40-140			
Indeno(1,2,3-cd)pyrene	1.35	0.17	mg/Kg wet	1.67		81.0	40-140			
2-Methylnaphthalene	1.20	0.17	mg/Kg wet	1.67		71.8	40-140			
Naphthalene	1.13	0.17	mg/Kg wet	1.67		67.9	40-140			
Phenanthrene	1.20	0.17	mg/Kg wet	1.67		72.2	40-140			
Pyrene	1.31	0.17	mg/Kg wet	1.67		78.6	40-140			
Surrogate: Nitrobenzene-d5	2.68		mg/Kg wet	3.33		80.4	30-130			
Surrogate: 2-Fluorobiphenyl	2.68		mg/Kg wet	3.33		80.5	30-130			
Surrogate: p-Terphenyl-d14	2.96		mg/Kg wet	3.33		88.7	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
Batch B182702 - SW-846 3546										
LCS Dup (B182702-BSD1)										
					Prepared: 07/27/17 Analyzed: 07/31/17					
Acenaphthene	0.953	0.17	mg/Kg wet	1.67		57.2	40-140	20.8	30	
Acenaphthylene	0.915	0.17	mg/Kg wet	1.67		54.9	40-140	21.6	30	
Anthracene	0.982	0.17	mg/Kg wet	1.67		58.9	40-140	20.6	30	
Benzo(a)anthracene	1.01	0.17	mg/Kg wet	1.67		60.4	40-140	20.7	30	
Benzo(a)pyrene	0.995	0.17	mg/Kg wet	1.67		59.7	40-140	19.7	30	
Benzo(b)fluoranthene	0.918	0.17	mg/Kg wet	1.67		55.1	40-140	19.8	30	
Benzo(g,h,i)perylene	1.21	0.17	mg/Kg wet	1.67		72.6	40-140	19.8	30	
Benzo(k)fluoranthene	0.903	0.17	mg/Kg wet	1.67		54.2	40-140	22.4	30	
Chrysene	0.989	0.17	mg/Kg wet	1.67		59.3	40-140	22.2	30	
Dibenz(a,h)anthracene	1.14	0.17	mg/Kg wet	1.67		68.3	40-140	19.8	30	
Fluoranthene	0.901	0.17	mg/Kg wet	1.67		54.0	40-140	18.8	30	
Fluorene	0.946	0.17	mg/Kg wet	1.67		56.7	40-140	21.7	30	
Indeno(1,2,3-cd)pyrene	1.10	0.17	mg/Kg wet	1.67		66.3	40-140	20.0	30	
2-Methylnaphthalene	0.983	0.17	mg/Kg wet	1.67		59.0	40-140	19.6	30	
Naphthalene	0.960	0.17	mg/Kg wet	1.67		57.6	40-140	16.5	30	
Phenanthrene	0.979	0.17	mg/Kg wet	1.67		58.8	40-140	20.5	30	
Pyrene	1.04	0.17	mg/Kg wet	1.67		62.4	40-140	22.9	30	
Surrogate: Nitrobenzene-d5	2.25		mg/Kg wet	3.33		67.6	30-130			
Surrogate: 2-Fluorobiphenyl	2.15		mg/Kg wet	3.33		64.6	30-130			
Surrogate: p-Terphenyl-d14	2.33		mg/Kg wet	3.33		70.0	30-130			

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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 B182731 - SW-846 3540C										
Blank (B182731-BLK1)										
Prepared: 07/27/17 Analyzed: 07/31/17										
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	0.186		mg/Kg wet	0.200		93.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.182		mg/Kg wet	0.200		91.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.161		mg/Kg wet	0.200		80.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.171		mg/Kg wet	0.200		85.5	30-150			
LCS (B182731-BS1)										
Prepared: 07/27/17 Analyzed: 07/31/17										
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		80.9	40-140			
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		86.9	40-140			
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		75.2	40-140			
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		75.9	40-140			
Surrogate: Decachlorobiphenyl	0.183		mg/Kg wet	0.200		91.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.174		mg/Kg wet	0.200		87.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.154		mg/Kg wet	0.200		76.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.164		mg/Kg wet	0.200		82.1	30-150			
LCS Dup (B182731-BSD1)										
Prepared: 07/27/17 Analyzed: 07/31/17										
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		82.4	40-140	1.76	30	
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		85.3	40-140	1.80	30	
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		75.8	40-140	0.709	30	
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		74.7	40-140	1.69	30	
Surrogate: Decachlorobiphenyl	0.181		mg/Kg wet	0.200		90.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.171		mg/Kg wet	0.200		85.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.158		mg/Kg wet	0.200		78.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.167		mg/Kg wet	0.200		83.7	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B182731 - SW-846 3540C										
Matrix Spike (B182731-MS1) Source: 17G0865-01 Prepared: 07/27/17 Analyzed: 07/31/17										
Aroclor-1016	0.18	0.11	mg/Kg dry	0.215	ND	86.1	40-140			
Aroclor-1016 [2C]	0.17	0.11	mg/Kg dry	0.215	ND	77.8	40-140			
Aroclor-1260	0.19	0.11	mg/Kg dry	0.215	0.074	55.8	40-140			
Aroclor-1260 [2C]	0.18	0.11	mg/Kg dry	0.215	0.067	54.0	40-140			
Surrogate: Decachlorobiphenyl	0.153		mg/Kg dry	0.215		71.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.141		mg/Kg dry	0.215		65.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.150		mg/Kg dry	0.215		69.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.149		mg/Kg dry	0.215		69.6	30-150			
Matrix Spike (B182731-MS2) Source: 17G0865-05 Prepared: 07/27/17 Analyzed: 07/31/17										
Aroclor-1016	0.24	0.11	mg/Kg dry	0.219	ND	108	40-140			
Aroclor-1016 [2C]	0.19	0.11	mg/Kg dry	0.219	ND	87.9	40-140			
Aroclor-1260	0.20	0.11	mg/Kg dry	0.219	0.061	63.3	40-140			
Aroclor-1260 [2C]	0.19	0.11	mg/Kg dry	0.219	0.064	57.3	40-140			
Surrogate: Decachlorobiphenyl	0.146		mg/Kg dry	0.219		66.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.136		mg/Kg dry	0.219		62.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.157		mg/Kg dry	0.219		71.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.150		mg/Kg dry	0.219		68.7	30-150			
Matrix Spike (B182731-MS3) Source: 17G0865-17 Prepared: 07/27/17 Analyzed: 07/31/17										
Aroclor-1016	0.15	0.11	mg/Kg dry	0.216	ND	71.1	40-140			
Aroclor-1016 [2C]	0.14	0.11	mg/Kg dry	0.216	ND	65.9	40-140			
Aroclor-1260	0.19	0.11	mg/Kg dry	0.216	0.094	45.2	40-140			
Aroclor-1260 [2C]	0.19	0.11	mg/Kg dry	0.216	0.094	43.4	40-140			
Surrogate: Decachlorobiphenyl	0.135		mg/Kg dry	0.216		62.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.126		mg/Kg dry	0.216		58.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.139		mg/Kg dry	0.216		64.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.140		mg/Kg dry	0.216		64.8	30-150			
Matrix Spike Dup (B182731-MSD1) Source: 17G0865-01 Prepared: 07/27/17 Analyzed: 07/31/17										
Aroclor-1016	0.20	0.11	mg/Kg dry	0.215	ND	93.7	40-140	8.43	50	
Aroclor-1016 [2C]	0.17	0.11	mg/Kg dry	0.215	ND	80.8	40-140	3.75	50	
Aroclor-1260	0.19	0.11	mg/Kg dry	0.215	0.074	54.5	40-140	1.46	50	
Aroclor-1260 [2C]	0.19	0.11	mg/Kg dry	0.215	0.067	56.6	40-140	3.00	50	
Surrogate: Decachlorobiphenyl	0.142		mg/Kg dry	0.215		66.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.132		mg/Kg dry	0.215		61.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.143		mg/Kg dry	0.215		66.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.147		mg/Kg dry	0.215		68.3	30-150			
Matrix Spike Dup (B182731-MSD2) Source: 17G0865-05 Prepared: 07/27/17 Analyzed: 07/31/17										
Aroclor-1016	0.21	0.11	mg/Kg dry	0.219	ND	96.6	40-140	10.9	50	
Aroclor-1016 [2C]	0.21	0.11	mg/Kg dry	0.219	ND	95.2	40-140	7.95	50	
Aroclor-1260	0.18	0.11	mg/Kg dry	0.219	0.061	56.7	40-140	7.60	50	
Aroclor-1260 [2C]	0.19	0.11	mg/Kg dry	0.219	0.064	58.6	40-140	1.48	50	
Surrogate: Decachlorobiphenyl	0.151		mg/Kg dry	0.219		68.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.140		mg/Kg dry	0.219		64.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.170		mg/Kg dry	0.219		77.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.166		mg/Kg dry	0.219		76.0	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 B182731 - SW-846 3540C

Matrix Spike Dup (B182731-MSD3)

Source: 17G0865-17

Prepared: 07/27/17 Analyzed: 07/31/17

Aroclor-1016	0.17	0.11	mg/Kg dry	0.216	ND	81.1	40-140	13.2	50	
Aroclor-1016 [2C]	0.17	0.11	mg/Kg dry	0.216	ND	78.9	40-140	17.9	50	
Aroclor-1260	0.21	0.11	mg/Kg dry	0.216	0.094	54.5	40-140	10.0	50	
Aroclor-1260 [2C]	0.21	0.11	mg/Kg dry	0.216	0.094	55.0	40-140	12.4	50	
Surrogate: Decachlorobiphenyl	0.142		mg/Kg dry	0.216		65.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.137		mg/Kg dry	0.216		63.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.163		mg/Kg dry	0.216		75.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.164		mg/Kg dry	0.216		76.2	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 B182711 - SW-846 3546										
Blank (B182711-BLK1)										
					Prepared: 07/27/17 Analyzed: 08/01/17					
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	3.13		mg/Kg wet	3.33		93.9	50-150			
LCS (B182711-BS1)										
					Prepared: 07/27/17 Analyzed: 08/01/17					
CT ETPH	29.4	10	mg/Kg wet	33.3		88.2	60-120			
Surrogate: o-Terphenyl	2.65		mg/Kg wet	3.33		79.5	50-150			
LCS Dup (B182711-BSD1)										
					Prepared: 07/27/17 Analyzed: 08/01/17					
CT ETPH	28.3	10	mg/Kg wet	33.3		85.0	60-120	3.69	30	
Surrogate: o-Terphenyl	2.56		mg/Kg wet	3.33		76.9	50-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B182378 - SW-846 3050B										
Blank (B182378-BLK1)										
					Prepared: 07/24/17 Analyzed: 07/26/17					
Arsenic	ND	2.5	mg/Kg wet							
LCS (B182378-BS1)										
					Prepared: 07/24/17 Analyzed: 07/26/17					
Arsenic	54.2	5.0	mg/Kg wet	57.0		95.1	77.8-122.1			
LCS Dup (B182378-BSD1)										
					Prepared: 07/24/17 Analyzed: 07/26/17					
Arsenic	53.8	5.1	mg/Kg wet	57.0		94.4	77.8-122.1	0.736	30	

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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 B182677 - % Solids										
Duplicate (B182677-DUP1)	Source: 17G0865-01		Prepared: 07/27/17 Analyzed: 07/28/17							
% Solids	89.8		% Wt		93.1			3.61	20	
Duplicate (B182677-DUP2)	Source: 17G0865-05		Prepared: 07/28/17 Analyzed: 07/29/17							
% Solids	89.7		% Wt		91.5			1.99	20	
Duplicate (B182677-DUP3)	Source: 17G0865-17		Prepared: 07/28/17 Analyzed: 07/29/17							
% Solids	92.3		% Wt		92.7			0.432	20	

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

SW-846 8082A

Lab Sample ID: B182731-BS1 Date(s) Analyzed: 07/31/2017 07/31/2017

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	0.16	
	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 Dup

SW-846 8082A

Lab Sample ID: B182731-BSD1 Date(s) Analyzed: 07/31/2017 07/31/2017

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	0.16	
	2	0.000	-0.030	0.030	0.17	0.0
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**
SW-846 8082A

Matrix Spike

Lab Sample ID: B182731-MS1 Date(s) Analyzed: 07/31/2017 07/31/2017

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	0.18	
	2	0.000	-0.030	0.030	0.17	11.1
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.18	5.4

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

Matrix Spike

SW-846 8082A

Lab Sample ID: B182731-MS2 Date(s) Analyzed: 07/31/2017 07/31/2017

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	0.24	
	2	0.000	-0.030	0.030	0.19	23.3
Aroclor-1260	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.19	5.1

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

Matrix Spike

SW-846 8082A

Lab Sample ID: B182731-MS3 Date(s) Analyzed: 07/31/2017 07/31/2017

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	0.15	
	2	0.000	-0.030	0.030	0.14	6.9
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.19	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

Matrix Spike Dup

SW-846 8082A

Lab Sample ID: B182731-MSD1 Date(s) Analyzed: 07/31/2017 07/31/2017

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	0.20	
	2	0.000	-0.030	0.030	0.17	16.2
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.19	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

Matrix Spike Dup

SW-846 8082A

Lab Sample ID: B182731-MSD2 Date(s) Analyzed: 07/31/2017 07/31/2017

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	0.21	
	2	0.000	-0.030	0.030	0.21	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.19	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

Matrix Spike Dup

SW-846 8082A

Lab Sample ID: B182731-MSD3 Date(s) Analyzed: 07/31/2017 07/31/2017

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	0.17	
	2	0.000	-0.030	0.030	0.17	5.7
Aroclor-1260	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.21	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.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
SW-846 6010C-D in Soil	
Arsenic	CT,NH,NY,ME,VA,NC
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

1790865



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)

Invoice Recipient: Chris Berthiaume / Will Sirotnak

Sampled By: Chris Berthiaume / Will Sirotnak

Requested Turnaround Time:
 7-Day 10-Day
 Other: 5-day
 Rush Approval Required:
 3-Day
 4-Day
 Date 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-AOC12W-SO-68-1A (MS-MSD)	9/17/17	9:00		X	S	V
2	WS-AOC12W-SO-68-1B		9:02				
3	WS-AOC12W-SO-68-2		9:04				
4	WS-AOC12W-SO-68-3		9:06				
5	WS-AOC12W-SO-74-1 (MS-MSD)		9:00				
6	WS-AOC12W-SO-74-2		9:01				
7	WS-AOC12W-SO-74-3		9:02				
8	WS-AOC12W-SO-74-4		9:03				
9	WS-AOC12W-SO-65-1		9:17				
10	WS-AOC12W-SO-65-2		9:19				

Comments:
 WS-AOC12W-SO-68-1A (MS-MSD)
 Please hold excess volumes for possible SPLP analyses.
 WS-AOC12W-SO-74-1 (MS-MSD)

Relinquished by: (signature)	Date/Time
<i>[Signature]</i>	7/20/17 1535
<i>[Signature]</i>	7/20/17 1535
<i>[Signature]</i>	7/20/17 1535
<i>[Signature]</i>	7/20/17 1830
<i>[Signature]</i>	7/20/17 1830
<i>[Signature]</i>	7/20/17 1830

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

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

ANALYSIS REQUESTED
 Arsenic
 SPLP ETPH
 ETPH
 PAHs
 SPLP PCBs
 (Soxhlet) PCBs

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

1760865

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)

Invoice Recipient: Chris Berthiaume/Will Sirotnak

Sampled By:

Requested Turnaround Time:
 7-Day 10-Day
 Other: 3-Day 4-Day
 Rush Approval Requested:
 Data Delivery: 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-A0012W-S0-65-3	7/29/19	9:21	X	S	S	V
12	WS-A0012W-S0-70-1		9:22				
13	WS-A0012W-S0-70-2A		9:23				
14	WS-A0012W-S0-70-2B		9:24				X
15	WS-A0012W-S0-70-3		9:25				X
16	WS-A0012W-S0-70-4		9:26				X
17	WS-A0012W-S0-59-1 (MS-MSD)		9:40				X
18	WS-A0012W-S0-59-2		9:42				X
19	WS-A0012W-S0-59-3		9:44				X
20	WS-A0012W-S0-63-1A		9:32				X

Comments: WS-A0012W-S0-59-1 (MS-MSD)

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: 7/29/19 1536
 Received by: (signature) Date/Time: 7/29/19 1535
 Relinquished by: (signature) Date/Time: 7/29/19 1530
 Received by: (signature) Date/Time: 7/29/19 1530
 Relinquished by: (signature) Date/Time: 7/29/19 1530
 Received by: (signature) Date/Time: 7/29/19 1530

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

of Containers
 2 Preservation Code
 3 Container Code
 Matrix Codes:
 GW = Ground Water
 WW = Waste Water
 DW = Drinking Water
 A = Air
 S = Soil/Solid
 SL = Sludge
 O = Other (please define)

- 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

SPLP PCBs
 (Soxhlet) PCBs
 PAHs
 SPLP ETPH
 ETPH
 Aroclor

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 SM Date 7/20/17 Time 1830

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

Were samples within Temperature? 2-6°C T By Gun # 2 Actual Temp - 4.5, 3.4, 3.2
 By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? N/A Were Samples Tampered with? F
 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\A080217.SEC\A0802053.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/2/17
 Data File Name A0802053.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.14	359815	380451	-5
c - 10	1.50	352547	380451	-7
c - 12	2.22	374391	380451	-2
c - 14	2.89	384612	380451	1
c - 16	3.48	394076	380451	4
c - 18	4.05	388606	380451	2
o-Terphenyl	4.36	444826	380451	
c - 20	4.67	393700	380451	3
c - 22	5.18	398363	380451	5
c - 24	5.62	371023	380451	-2
c - 26	6.01	389982	380451	3
c - 28	6.37	384491	380451	1
c - 30	6.70	383606	380451	1
c - 32	7.01	375705	380451	-1
c - 34	7.30	377889	380451	-1
c - 36	7.58	377960	380451	-1

* One compound allowed %D <= 50%

Samples

17G0683-12@20X
 17G0774-04@10X

D:\HPCHEM\1\DATA\A080217.SEC\A080293.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/2/17
 Data File Name A080293.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.14	363192	388257	-6
c - 10	1.49	353450	388257	-9
c - 12	2.23	378033	388257	-3
c - 14	2.89	391251	388257	1
c - 16	3.48	401490	388257	3
c - 18	4.05	397496	388257	2
o-Terphenyl	4.36	454898	388257	
c - 20	4.66	404130	388257	4
c - 22	5.18	408473	388257	5
c - 24	5.62	379630	388257	-2
c - 26	6.01	399141	388257	3
c - 28	6.37	392867	388257	1
c - 30	6.70	393552	388257	1
c - 32	7.01	386366	388257	0
c - 34	7.30	387490	388257	0
c - 36	7.58	387297	388257	0

* One compound allowed %D <= 50%

Samples

17G1059-01@5X
 17G0865-14@5X
 17G0866-14@5X
 17G1077-03
 17G1079-06
 17G1048-01@50X
 17G0911-16@20X
 17G0913-08@50X



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: 17G0865

Laboratory Sample ID(s):

Sample Date(s):

17G0865-01 thru 17G0865-20

07/20/2017

List RCP Methods Used:

CTDEP ETPH, SW-846 6010C-D, 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 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 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:

Lisa Worthington

Position: Project Manager

Printed Name: Lisa A. Worthington

Date: 08/03/17

Name of Laboratory: Con-Test Analytical Laboratory

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

August 3, 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: 17G0865

Enclosed are results of analyses for samples received by the laboratory on July 20, 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: 8/3/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G0865

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-AOC12W-SO-68-1A	17G0865-01	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-68-1B	17G0865-02	Soil		SM 2540G SW-846 8270D	
WS-AOC12W-SO-68-2	17G0865-03	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-68-3	17G0865-04	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-74-1	17G0865-05	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-74-2	17G0865-06	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-74-3	17G0865-07	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-74-4	17G0865-08	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-65-1	17G0865-09	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-65-2	17G0865-10	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-65-3	17G0865-11	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-70-1	17G0865-12	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-70-2A	17G0865-13	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-70-2B	17G0865-14	Soil		CTDEP ETPH SM 2540G SW-846 6010C-D	
WS-AOC12W-SO-70-3	17G0865-15	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-70-4	17G0865-16	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-59-1	17G0865-17	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-59-2	17G0865-18	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-59-3	17G0865-19	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-63-1A	17G0865-20	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.

For method 6010, only As was requested and reported.

For method 8270, only PAHs were requested and reported.

SW-846 6010C/D SW-846 6020A/B

For NC, Metals methods SW-846 6010D and SW-846 6020B are followed, and for all other states methods SW-846 6010C and SW-846 6020A are followed.

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

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



Lisa A. Worthington
Project Manager

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

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-68-1A

Sampled: 7/20/2017 09:00

Sample ID: 17G0865-01

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	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:43	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:43	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:43	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:43	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:43	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:43	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:43	KAL
Aroclor-1262 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:43	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:43	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		79.1	30-150					7/31/17 17:43	
Decachlorobiphenyl [2]		74.1	30-150					7/31/17 17:43	
Tetrachloro-m-xylene [1]		75.4	30-150					7/31/17 17:43	
Tetrachloro-m-xylene [2]		76.8	30-150					7/31/17 17:43	

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-68-1A

Sampled: 7/20/2017 09:00

Sample ID: 17G0865-01

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	93.1		% Wt	1		SM 2540G	7/28/17	7/28/17 10:26	MRL

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-68-1B

Sampled: 7/20/2017 09:02

Sample ID: 17G0865-02

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	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 11:48	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 11:48	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 11:48	BGL
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 11:48	BGL
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 11:48	BGL
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 11:48	BGL
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 11:48	BGL
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 11:48	BGL
Chrysene	0.25	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 11:48	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 11:48	BGL
Fluoranthene	0.21	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 11:48	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 11:48	BGL
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 11:48	BGL
2-Methylnaphthalene	0.33	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 11:48	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 11:48	BGL
Phenanthrene	0.54	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 11:48	BGL
Pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 11:48	BGL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Nitrobenzene-d5		34.9	30-130					7/31/17 11:48	
2-Fluorobiphenyl		32.1	30-130					7/31/17 11:48	
p-Terphenyl-d14		32.4	30-130					7/31/17 11:48	

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-68-1B

Sampled: 7/20/2017 09:02

Sample ID: 17G0865-02

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	91.1		% Wt	1		SM 2540G	7/28/17	7/28/17 10:26	MRL

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-68-2

Sampled: 7/20/2017 09:04

Sample ID: 17G0865-03

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	5		SW-846 8082A	7/27/17	7/31/17 17:56	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:56	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:56	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:56	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:56	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:56	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:56	KAL
Aroclor-1262 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:56	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:56	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		75.2	30-150					7/31/17 17:56	
Decachlorobiphenyl [2]		72.8	30-150					7/31/17 17:56	
Tetrachloro-m-xylene [1]		71.5	30-150					7/31/17 17:56	
Tetrachloro-m-xylene [2]		73.6	30-150					7/31/17 17:56	

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-68-2

Sampled: 7/20/2017 09:04

Sample ID: 17G0865-03

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.0		% Wt	1		SM 2540G	7/28/17	7/29/17 5:34	MRL

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-68-3

Sampled: 7/20/2017 09:06

Sample ID: 17G0865-04

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	0.18	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:09	KAL
Aroclor-1221 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:09	KAL
Aroclor-1232 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:09	KAL
Aroclor-1242 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:09	KAL
Aroclor-1248 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:09	KAL
Aroclor-1254 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:09	KAL
Aroclor-1260 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:09	KAL
Aroclor-1262 [2]	ND	0.18	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:09	KAL
Aroclor-1268 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:09	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		89.2	30-150					7/31/17 18:09	
Decachlorobiphenyl [2]		79.9	30-150					7/31/17 18:09	
Tetrachloro-m-xylene [1]		84.2	30-150					7/31/17 18:09	
Tetrachloro-m-xylene [2]		82.5	30-150					7/31/17 18:09	

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-68-3

Sampled: 7/20/2017 09:06

Sample ID: 17G0865-04

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	55.0		% Wt	1		SM 2540G	7/28/17	7/29/17 5:34	MRL

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-74-1

Sampled: 7/20/2017 09:00

Sample ID: 17G0865-05

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	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:22	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:22	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:22	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:22	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:22	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:22	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:22	KAL
Aroclor-1262 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:22	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:22	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		76.0	30-150					7/31/17 18:22	
Decachlorobiphenyl [2]		71.5	30-150					7/31/17 18:22	
Tetrachloro-m-xylene [1]		66.3	30-150					7/31/17 18:22	
Tetrachloro-m-xylene [2]		68.0	30-150					7/31/17 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: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-74-1

Sampled: 7/20/2017 09:00

Sample ID: 17G0865-05

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.5		% Wt	1		SM 2540G	7/28/17	7/29/17 5:34	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: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-74-2

Sampled: 7/20/2017 09:01

Sample ID: 17G0865-06

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	5		SW-846 8082A	7/27/17	7/31/17 18:35	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:35	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:35	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:35	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:35	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:35	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:35	KAL
Aroclor-1262 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:35	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:35	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		80.5	30-150					7/31/17 18:35	
Decachlorobiphenyl [2]		74.1	30-150					7/31/17 18:35	
Tetrachloro-m-xylene [1]		72.7	30-150					7/31/17 18:35	
Tetrachloro-m-xylene [2]		73.1	30-150					7/31/17 18:35	

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: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-74-2

Sampled: 7/20/2017 09:01

Sample ID: 17G0865-06

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.8		% Wt	1		SM 2540G	7/28/17	7/29/17 5:34	MRL

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-74-3

Sampled: 7/20/2017 09:02

Sample ID: 17G0865-07

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	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:47	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:47	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:47	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:47	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:47	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:47	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:47	KAL
Aroclor-1262 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:47	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:47	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		59.0	30-150					7/31/17 18:47	
Decachlorobiphenyl [2]		54.3	30-150					7/31/17 18:47	
Tetrachloro-m-xylene [1]		56.1	30-150					7/31/17 18:47	
Tetrachloro-m-xylene [2]		59.1	30-150					7/31/17 18:47	

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: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-74-3

Sampled: 7/20/2017 09:02

Sample ID: 17G0865-07

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	84.7		% Wt	1		SM 2540G	7/28/17	7/29/17 5:34	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: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-74-4

Sampled: 7/20/2017 09:03

Sample ID: 17G0865-08

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	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:00	KAL
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:00	KAL
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:00	KAL
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:00	KAL
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:00	KAL
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:00	KAL
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:00	KAL
Aroclor-1262 [2]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:00	KAL
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:00	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		74.6	30-150					7/31/17 19:00	
Decachlorobiphenyl [2]		66.7	30-150					7/31/17 19:00	
Tetrachloro-m-xylene [1]		67.9	30-150					7/31/17 19:00	
Tetrachloro-m-xylene [2]		68.6	30-150					7/31/17 19:00	

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: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-74-4

Sampled: 7/20/2017 09:03

Sample ID: 17G0865-08

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	73.1		% Wt	1		SM 2540G	7/28/17	7/29/17 5:34	MRL

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-65-1

Sampled: 7/20/2017 09:17

Sample ID: 17G0865-09

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	5		SW-846 8082A	7/27/17	7/31/17 19:51	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:51	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:51	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:51	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:51	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:51	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:51	KAL
Aroclor-1262 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:51	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:51	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		82.4	30-150					7/31/17 19:51	
Decachlorobiphenyl [2]		77.8	30-150					7/31/17 19:51	
Tetrachloro-m-xylene [1]		73.4	30-150					7/31/17 19:51	
Tetrachloro-m-xylene [2]		73.8	30-150					7/31/17 19:51	

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-65-1

Sampled: 7/20/2017 09:17

Sample ID: 17G0865-09

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.5		% Wt	1		SM 2540G	7/28/17	7/29/17 5:34	MRL

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-65-2

Sampled: 7/20/2017 09:19

Sample ID: 17G0865-10

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	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:04	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:04	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:04	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:04	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:04	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:04	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:04	KAL
Aroclor-1262 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:04	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:04	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		70.7	30-150					7/31/17 20:04	
Decachlorobiphenyl [2]		65.5	30-150					7/31/17 20:04	
Tetrachloro-m-xylene [1]		64.3	30-150					7/31/17 20:04	
Tetrachloro-m-xylene [2]		65.7	30-150					7/31/17 20:04	

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-65-2

Sampled: 7/20/2017 09:19

Sample ID: 17G0865-10

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.5		% Wt	1		SM 2540G	7/28/17	7/29/17 5:34	MRL

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-65-3

Sampled: 7/20/2017 09:21

Sample ID: 17G0865-11

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	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:16	KAL
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:16	KAL
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:16	KAL
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:16	KAL
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:16	KAL
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:16	KAL
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:16	KAL
Aroclor-1262 [2]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:16	KAL
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:16	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		81.3	30-150					7/31/17 20:16	
Decachlorobiphenyl [2]		74.2	30-150					7/31/17 20:16	
Tetrachloro-m-xylene [1]		74.4	30-150					7/31/17 20:16	
Tetrachloro-m-xylene [2]		74.9	30-150					7/31/17 20:16	

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-65-3

Sampled: 7/20/2017 09:21

Sample ID: 17G0865-11

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	71.6		% Wt	1		SM 2540G	7/28/17	7/29/17 5:34	MRL

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-70-1

Sampled: 7/20/2017 09:22

Sample ID: 17G0865-12

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	5		SW-846 8082A	7/27/17	7/31/17 20:29	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:29	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:29	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:29	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:29	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:29	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:29	KAL
Aroclor-1262 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:29	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:29	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		71.9	30-150					7/31/17 20:29	
Decachlorobiphenyl [2]		65.3	30-150					7/31/17 20:29	
Tetrachloro-m-xylene [1]		65.0	30-150					7/31/17 20:29	
Tetrachloro-m-xylene [2]		67.1	30-150					7/31/17 20:29	

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-70-1

Sampled: 7/20/2017 09:22

Sample ID: 17G0865-12

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.6		% Wt	1		SM 2540G	7/28/17	7/29/17 5:34	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: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-70-2A

Sampled: 7/20/2017 09:23

Sample ID: 17G0865-13

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	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:42	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:42	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:42	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:42	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:42	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:42	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:42	KAL
Aroclor-1262 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:42	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:42	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		61.7	30-150					7/31/17 20:42	
Decachlorobiphenyl [2]		55.7	30-150					7/31/17 20:42	
Tetrachloro-m-xylene [1]		53.8	30-150					7/31/17 20:42	
Tetrachloro-m-xylene [2]		54.6	30-150					7/31/17 20:42	

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-70-2A

Sampled: 7/20/2017 09:23

Sample ID: 17G0865-13

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.9		% Wt	1		SM 2540G	7/28/17	7/29/17 5:34	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: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-70-2B

Sampled: 7/20/2017 09:24

Sample ID: 17G0865-14

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	380	55	mg/Kg dry	5		CTDEP ETPH	7/27/17	8/2/17 23:54	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		88.5	50-150					8/2/17 23:54	

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-70-2B

Sampled: 7/20/2017 09:24

Sample ID: 17G0865-14

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	15	2.7	mg/Kg dry	1		SW-846 6010C-D	7/24/17	7/26/17 12:12	QNW

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: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-70-2B

Sampled: 7/20/2017 09:24

Sample ID: 17G0865-14

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.8		% Wt	1		SM 2540G	7/28/17	7/29/17 5:34	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: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-70-3

Sampled: 7/20/2017 09:25

Sample ID: 17G0865-15

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	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:54	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:54	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:54	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:54	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:54	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:54	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:54	KAL
Aroclor-1262 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:54	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 20:54	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		71.0	30-150					7/31/17 20:54	
Decachlorobiphenyl [2]		66.1	30-150					7/31/17 20:54	
Tetrachloro-m-xylene [1]		68.3	30-150					7/31/17 20:54	
Tetrachloro-m-xylene [2]		70.5	30-150					7/31/17 20:54	

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-70-3

Sampled: 7/20/2017 09:25

Sample ID: 17G0865-15

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	84.1		% Wt	1		SM 2540G	7/28/17	7/29/17 5:34	MRL

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-70-4

Sampled: 7/20/2017 09:26

Sample ID: 17G0865-16

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	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:07	KAL
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:07	KAL
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:07	KAL
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:07	KAL
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:07	KAL
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:07	KAL
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:07	KAL
Aroclor-1262 [2]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:07	KAL
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:07	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		79.6	30-150					7/31/17 21:07	
Decachlorobiphenyl [2]		72.5	30-150					7/31/17 21:07	
Tetrachloro-m-xylene [1]		72.6	30-150					7/31/17 21:07	
Tetrachloro-m-xylene [2]		73.6	30-150					7/31/17 21:07	

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: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-70-4

Sampled: 7/20/2017 09:26

Sample ID: 17G0865-16

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	70.0		% Wt	1		SM 2540G	7/28/17	7/29/17 5:34	MRL

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-59-1

Sampled: 7/20/2017 09:40

Sample ID: 17G0865-17

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	5		SW-846 8082A	7/27/17	7/31/17 21:19	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:19	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:19	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:19	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:19	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:19	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:19	KAL
Aroclor-1262 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:19	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:19	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		71.8	30-150					7/31/17 21:19	
Decachlorobiphenyl [2]		67.1	30-150					7/31/17 21:19	
Tetrachloro-m-xylene [1]		65.5	30-150					7/31/17 21:19	
Tetrachloro-m-xylene [2]		66.0	30-150					7/31/17 21:19	

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-59-1

Sampled: 7/20/2017 09:40

Sample ID: 17G0865-17

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.7		% Wt	1		SM 2540G	7/28/17	7/29/17 5:34	MRL

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-59-2

Sampled: 7/20/2017 09:42

Sample ID: 17G0865-18

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	5		SW-846 8082A	7/27/17	7/31/17 21:32	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:32	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:32	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:32	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:32	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:32	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:32	KAL
Aroclor-1262 [2]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:32	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:32	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		66.9	30-150					7/31/17 21:32	
Decachlorobiphenyl [2]		62.5	30-150					7/31/17 21:32	
Tetrachloro-m-xylene [1]		65.8	30-150					7/31/17 21:32	
Tetrachloro-m-xylene [2]		65.4	30-150					7/31/17 21:32	

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-59-2

Sampled: 7/20/2017 09:42

Sample ID: 17G0865-18

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	86.7		% Wt	1		SM 2540G	7/28/17	7/29/17 5:34	MRL

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-59-3

Sampled: 7/20/2017 09:44

Sample ID: 17G0865-19

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	0.17	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:44	KAL
Aroclor-1221 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:44	KAL
Aroclor-1232 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:44	KAL
Aroclor-1242 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:44	KAL
Aroclor-1248 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:44	KAL
Aroclor-1254 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:44	KAL
Aroclor-1260 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:44	KAL
Aroclor-1262 [2]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:44	KAL
Aroclor-1268 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:44	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		85.5	30-150					7/31/17 21:44	
Decachlorobiphenyl [2]		76.9	30-150					7/31/17 21:44	
Tetrachloro-m-xylene [1]		81.8	30-150					7/31/17 21:44	
Tetrachloro-m-xylene [2]		79.1	30-150					7/31/17 21:44	

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-59-3

Sampled: 7/20/2017 09:44

Sample ID: 17G0865-19

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	57.8		% Wt	1		SM 2540G	7/28/17	7/29/17 5:34	MRL

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-63-1A

Sampled: 7/20/2017 09:32

Sample ID: 17G0865-20

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	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:57	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:57	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:57	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:57	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:57	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:57	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:57	KAL
Aroclor-1262 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:57	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 21:57	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		81.9	30-150					7/31/17 21:57	
Decachlorobiphenyl [2]		75.3	30-150					7/31/17 21:57	
Tetrachloro-m-xylene [1]		77.2	30-150					7/31/17 21:57	
Tetrachloro-m-xylene [2]		76.4	30-150					7/31/17 21:57	

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

Sample Description:

Work Order: 17G0865

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-63-1A

Sampled: 7/20/2017 09:32

Sample ID: 17G0865-20

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	93.0		% Wt	1		SM 2540G	7/28/17	7/29/17 5:34	MRL

Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0865-14 [WS-AOC12W-SO-70-2B]	B182711	30.0	1.00	07/27/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17G0865-01 [WS-AOC12W-SO-68-1A]	B182677	07/28/17
17G0865-02 [WS-AOC12W-SO-68-1B]	B182677	07/28/17
17G0865-03 [WS-AOC12W-SO-68-2]	B182677	07/28/17
17G0865-04 [WS-AOC12W-SO-68-3]	B182677	07/28/17
17G0865-05 [WS-AOC12W-SO-74-1]	B182677	07/28/17
17G0865-06 [WS-AOC12W-SO-74-2]	B182677	07/28/17
17G0865-07 [WS-AOC12W-SO-74-3]	B182677	07/28/17
17G0865-08 [WS-AOC12W-SO-74-4]	B182677	07/28/17
17G0865-09 [WS-AOC12W-SO-65-1]	B182677	07/28/17
17G0865-10 [WS-AOC12W-SO-65-2]	B182677	07/28/17
17G0865-11 [WS-AOC12W-SO-65-3]	B182677	07/28/17
17G0865-12 [WS-AOC12W-SO-70-1]	B182677	07/28/17
17G0865-13 [WS-AOC12W-SO-70-2A]	B182677	07/28/17
17G0865-14 [WS-AOC12W-SO-70-2B]	B182677	07/28/17
17G0865-15 [WS-AOC12W-SO-70-3]	B182677	07/28/17
17G0865-16 [WS-AOC12W-SO-70-4]	B182677	07/28/17
17G0865-17 [WS-AOC12W-SO-59-1]	B182677	07/28/17
17G0865-18 [WS-AOC12W-SO-59-2]	B182677	07/28/17
17G0865-19 [WS-AOC12W-SO-59-3]	B182677	07/28/17
17G0865-20 [WS-AOC12W-SO-63-1A]	B182677	07/28/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0865-14 [WS-AOC12W-SO-70-2B]	B182378	1.01	50.0	07/24/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0865-01 [WS-AOC12W-SO-68-1A]	B182731	10.0	10.0	07/27/17
17G0865-03 [WS-AOC12W-SO-68-2]	B182731	10.0	10.0	07/27/17
17G0865-04 [WS-AOC12W-SO-68-3]	B182731	10.0	10.0	07/27/17
17G0865-05 [WS-AOC12W-SO-74-1]	B182731	10.0	10.0	07/27/17
17G0865-06 [WS-AOC12W-SO-74-2]	B182731	10.0	10.0	07/27/17
17G0865-07 [WS-AOC12W-SO-74-3]	B182731	10.0	10.0	07/27/17
17G0865-08 [WS-AOC12W-SO-74-4]	B182731	10.0	10.0	07/27/17
17G0865-09 [WS-AOC12W-SO-65-1]	B182731	10.0	10.0	07/27/17
17G0865-10 [WS-AOC12W-SO-65-2]	B182731	10.0	10.0	07/27/17
17G0865-11 [WS-AOC12W-SO-65-3]	B182731	10.0	10.0	07/27/17
17G0865-12 [WS-AOC12W-SO-70-1]	B182731	10.0	10.0	07/27/17
17G0865-13 [WS-AOC12W-SO-70-2A]	B182731	10.0	10.0	07/27/17
17G0865-15 [WS-AOC12W-SO-70-3]	B182731	10.0	10.0	07/27/17
17G0865-16 [WS-AOC12W-SO-70-4]	B182731	10.0	10.0	07/27/17
17G0865-17 [WS-AOC12W-SO-59-1]	B182731	10.0	10.0	07/27/17
17G0865-18 [WS-AOC12W-SO-59-2]	B182731	10.0	10.0	07/27/17
17G0865-19 [WS-AOC12W-SO-59-3]	B182731	10.0	10.0	07/27/17

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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
17G0865-20 [WS-AOC12W-SO-63-1A]	B182731	10.0	10.0	07/27/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0865-02 [WS-AOC12W-SO-68-1B]	B182702	30.0	1.00	07/27/17

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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 B182702 - SW-846 3546										
Blank (B182702-BLK1)										
Prepared: 07/27/17 Analyzed: 07/28/17										
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	1.56		mg/Kg wet	3.33		46.8	30-130			
Surrogate: 2-Fluorobiphenyl	1.50		mg/Kg wet	3.33		44.9	30-130			
Surrogate: p-Terphenyl-d14	1.56		mg/Kg wet	3.33		46.8	30-130			
LCS (B182702-BS1)										
Prepared: 07/27/17 Analyzed: 07/31/17										
Acenaphthene	1.17	0.17	mg/Kg wet	1.67		70.5	40-140			
Acenaphthylene	1.14	0.17	mg/Kg wet	1.67		68.2	40-140			
Anthracene	1.21	0.17	mg/Kg wet	1.67		72.4	40-140			
Benzo(a)anthracene	1.24	0.17	mg/Kg wet	1.67		74.4	40-140			
Benzo(a)pyrene	1.21	0.17	mg/Kg wet	1.67		72.7	40-140			
Benzo(b)fluoranthene	1.12	0.17	mg/Kg wet	1.67		67.1	40-140			
Benzo(g,h,i)perylene	1.48	0.17	mg/Kg wet	1.67		88.5	40-140			
Benzo(k)fluoranthene	1.13	0.17	mg/Kg wet	1.67		67.8	40-140			
Chrysene	1.24	0.17	mg/Kg wet	1.67		74.1	40-140			
Dibenz(a,h)anthracene	1.39	0.17	mg/Kg wet	1.67		83.3	40-140			
Fluoranthene	1.09	0.17	mg/Kg wet	1.67		65.3	40-140			
Fluorene	1.18	0.17	mg/Kg wet	1.67		70.6	40-140			
Indeno(1,2,3-cd)pyrene	1.35	0.17	mg/Kg wet	1.67		81.0	40-140			
2-Methylnaphthalene	1.20	0.17	mg/Kg wet	1.67		71.8	40-140			
Naphthalene	1.13	0.17	mg/Kg wet	1.67		67.9	40-140			
Phenanthrene	1.20	0.17	mg/Kg wet	1.67		72.2	40-140			
Pyrene	1.31	0.17	mg/Kg wet	1.67		78.6	40-140			
Surrogate: Nitrobenzene-d5	2.68		mg/Kg wet	3.33		80.4	30-130			
Surrogate: 2-Fluorobiphenyl	2.68		mg/Kg wet	3.33		80.5	30-130			
Surrogate: p-Terphenyl-d14	2.96		mg/Kg wet	3.33		88.7	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
Batch B182702 - SW-846 3546										
LCS Dup (B182702-BSD1)										
					Prepared: 07/27/17 Analyzed: 07/31/17					
Acenaphthene	0.953	0.17	mg/Kg wet	1.67		57.2	40-140	20.8	30	
Acenaphthylene	0.915	0.17	mg/Kg wet	1.67		54.9	40-140	21.6	30	
Anthracene	0.982	0.17	mg/Kg wet	1.67		58.9	40-140	20.6	30	
Benzo(a)anthracene	1.01	0.17	mg/Kg wet	1.67		60.4	40-140	20.7	30	
Benzo(a)pyrene	0.995	0.17	mg/Kg wet	1.67		59.7	40-140	19.7	30	
Benzo(b)fluoranthene	0.918	0.17	mg/Kg wet	1.67		55.1	40-140	19.8	30	
Benzo(g,h,i)perylene	1.21	0.17	mg/Kg wet	1.67		72.6	40-140	19.8	30	
Benzo(k)fluoranthene	0.903	0.17	mg/Kg wet	1.67		54.2	40-140	22.4	30	
Chrysene	0.989	0.17	mg/Kg wet	1.67		59.3	40-140	22.2	30	
Dibenz(a,h)anthracene	1.14	0.17	mg/Kg wet	1.67		68.3	40-140	19.8	30	
Fluoranthene	0.901	0.17	mg/Kg wet	1.67		54.0	40-140	18.8	30	
Fluorene	0.946	0.17	mg/Kg wet	1.67		56.7	40-140	21.7	30	
Indeno(1,2,3-cd)pyrene	1.10	0.17	mg/Kg wet	1.67		66.3	40-140	20.0	30	
2-Methylnaphthalene	0.983	0.17	mg/Kg wet	1.67		59.0	40-140	19.6	30	
Naphthalene	0.960	0.17	mg/Kg wet	1.67		57.6	40-140	16.5	30	
Phenanthrene	0.979	0.17	mg/Kg wet	1.67		58.8	40-140	20.5	30	
Pyrene	1.04	0.17	mg/Kg wet	1.67		62.4	40-140	22.9	30	
Surrogate: Nitrobenzene-d5	2.25		mg/Kg wet	3.33		67.6	30-130			
Surrogate: 2-Fluorobiphenyl	2.15		mg/Kg wet	3.33		64.6	30-130			
Surrogate: p-Terphenyl-d14	2.33		mg/Kg wet	3.33		70.0	30-130			

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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 B182731 - SW-846 3540C										
Blank (B182731-BLK1)										
Prepared: 07/27/17 Analyzed: 07/31/17										
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	0.186		mg/Kg wet	0.200		93.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.182		mg/Kg wet	0.200		91.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.161		mg/Kg wet	0.200		80.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.171		mg/Kg wet	0.200		85.5	30-150			
LCS (B182731-BS1)										
Prepared: 07/27/17 Analyzed: 07/31/17										
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		80.9	40-140			
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		86.9	40-140			
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		75.2	40-140			
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		75.9	40-140			
Surrogate: Decachlorobiphenyl	0.183		mg/Kg wet	0.200		91.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.174		mg/Kg wet	0.200		87.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.154		mg/Kg wet	0.200		76.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.164		mg/Kg wet	0.200		82.1	30-150			
LCS Dup (B182731-BSD1)										
Prepared: 07/27/17 Analyzed: 07/31/17										
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		82.4	40-140	1.76	30	
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		85.3	40-140	1.80	30	
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		75.8	40-140	0.709	30	
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		74.7	40-140	1.69	30	
Surrogate: Decachlorobiphenyl	0.181		mg/Kg wet	0.200		90.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.171		mg/Kg wet	0.200		85.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.158		mg/Kg wet	0.200		78.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.167		mg/Kg wet	0.200		83.7	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 B182731 - SW-846 3540C										
Matrix Spike (B182731-MS1) Source: 17G0865-01 Prepared: 07/27/17 Analyzed: 07/31/17										
Aroclor-1016	0.18	0.11	mg/Kg dry	0.215	ND	86.1	40-140			
Aroclor-1016 [2C]	0.17	0.11	mg/Kg dry	0.215	ND	77.8	40-140			
Aroclor-1260	0.19	0.11	mg/Kg dry	0.215	0.074	55.8	40-140			
Aroclor-1260 [2C]	0.18	0.11	mg/Kg dry	0.215	0.067	54.0	40-140			
Surrogate: Decachlorobiphenyl	0.153		mg/Kg dry	0.215		71.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.141		mg/Kg dry	0.215		65.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.150		mg/Kg dry	0.215		69.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.149		mg/Kg dry	0.215		69.6	30-150			
Matrix Spike (B182731-MS2) Source: 17G0865-05 Prepared: 07/27/17 Analyzed: 07/31/17										
Aroclor-1016	0.24	0.11	mg/Kg dry	0.219	ND	108	40-140			
Aroclor-1016 [2C]	0.19	0.11	mg/Kg dry	0.219	ND	87.9	40-140			
Aroclor-1260	0.20	0.11	mg/Kg dry	0.219	0.061	63.3	40-140			
Aroclor-1260 [2C]	0.19	0.11	mg/Kg dry	0.219	0.064	57.3	40-140			
Surrogate: Decachlorobiphenyl	0.146		mg/Kg dry	0.219		66.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.136		mg/Kg dry	0.219		62.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.157		mg/Kg dry	0.219		71.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.150		mg/Kg dry	0.219		68.7	30-150			
Matrix Spike (B182731-MS3) Source: 17G0865-17 Prepared: 07/27/17 Analyzed: 07/31/17										
Aroclor-1016	0.15	0.11	mg/Kg dry	0.216	ND	71.1	40-140			
Aroclor-1016 [2C]	0.14	0.11	mg/Kg dry	0.216	ND	65.9	40-140			
Aroclor-1260	0.19	0.11	mg/Kg dry	0.216	0.094	45.2	40-140			
Aroclor-1260 [2C]	0.19	0.11	mg/Kg dry	0.216	0.094	43.4	40-140			
Surrogate: Decachlorobiphenyl	0.135		mg/Kg dry	0.216		62.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.126		mg/Kg dry	0.216		58.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.139		mg/Kg dry	0.216		64.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.140		mg/Kg dry	0.216		64.8	30-150			
Matrix Spike Dup (B182731-MSD1) Source: 17G0865-01 Prepared: 07/27/17 Analyzed: 07/31/17										
Aroclor-1016	0.20	0.11	mg/Kg dry	0.215	ND	93.7	40-140	8.43	50	
Aroclor-1016 [2C]	0.17	0.11	mg/Kg dry	0.215	ND	80.8	40-140	3.75	50	
Aroclor-1260	0.19	0.11	mg/Kg dry	0.215	0.074	54.5	40-140	1.46	50	
Aroclor-1260 [2C]	0.19	0.11	mg/Kg dry	0.215	0.067	56.6	40-140	3.00	50	
Surrogate: Decachlorobiphenyl	0.142		mg/Kg dry	0.215		66.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.132		mg/Kg dry	0.215		61.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.143		mg/Kg dry	0.215		66.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.147		mg/Kg dry	0.215		68.3	30-150			
Matrix Spike Dup (B182731-MSD2) Source: 17G0865-05 Prepared: 07/27/17 Analyzed: 07/31/17										
Aroclor-1016	0.21	0.11	mg/Kg dry	0.219	ND	96.6	40-140	10.9	50	
Aroclor-1016 [2C]	0.21	0.11	mg/Kg dry	0.219	ND	95.2	40-140	7.95	50	
Aroclor-1260	0.18	0.11	mg/Kg dry	0.219	0.061	56.7	40-140	7.60	50	
Aroclor-1260 [2C]	0.19	0.11	mg/Kg dry	0.219	0.064	58.6	40-140	1.48	50	
Surrogate: Decachlorobiphenyl	0.151		mg/Kg dry	0.219		68.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.140		mg/Kg dry	0.219		64.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.170		mg/Kg dry	0.219		77.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.166		mg/Kg dry	0.219		76.0	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 B182731 - SW-846 3540C

Matrix Spike Dup (B182731-MSD3)

Source: 17G0865-17

Prepared: 07/27/17 Analyzed: 07/31/17

Aroclor-1016	0.17	0.11	mg/Kg dry	0.216	ND	81.1	40-140	13.2	50	
Aroclor-1016 [2C]	0.17	0.11	mg/Kg dry	0.216	ND	78.9	40-140	17.9	50	
Aroclor-1260	0.21	0.11	mg/Kg dry	0.216	0.094	54.5	40-140	10.0	50	
Aroclor-1260 [2C]	0.21	0.11	mg/Kg dry	0.216	0.094	55.0	40-140	12.4	50	
Surrogate: Decachlorobiphenyl	0.142		mg/Kg dry	0.216		65.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.137		mg/Kg dry	0.216		63.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.163		mg/Kg dry	0.216		75.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.164		mg/Kg dry	0.216		76.2	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 B182711 - SW-846 3546										
Blank (B182711-BLK1)										
					Prepared: 07/27/17 Analyzed: 08/01/17					
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	3.13		mg/Kg wet	3.33		93.9	50-150			
LCS (B182711-BS1)										
					Prepared: 07/27/17 Analyzed: 08/01/17					
CT ETPH	29.4	10	mg/Kg wet	33.3		88.2	60-120			
Surrogate: o-Terphenyl	2.65		mg/Kg wet	3.33		79.5	50-150			
LCS Dup (B182711-BSD1)										
					Prepared: 07/27/17 Analyzed: 08/01/17					
CT ETPH	28.3	10	mg/Kg wet	33.3		85.0	60-120	3.69	30	
Surrogate: o-Terphenyl	2.56		mg/Kg wet	3.33		76.9	50-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B182378 - SW-846 3050B										
Blank (B182378-BLK1)					Prepared: 07/24/17 Analyzed: 07/26/17					
Arsenic	ND	2.5	mg/Kg wet							
LCS (B182378-BS1)					Prepared: 07/24/17 Analyzed: 07/26/17					
Arsenic	54.2	5.0	mg/Kg wet	57.0		95.1	77.8-122.1			
LCS Dup (B182378-BSD1)					Prepared: 07/24/17 Analyzed: 07/26/17					
Arsenic	53.8	5.1	mg/Kg wet	57.0		94.4	77.8-122.1	0.736	30	

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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 B182677 - % Solids										
Duplicate (B182677-DUP1)	Source: 17G0865-01			Prepared: 07/27/17 Analyzed: 07/28/17						
% Solids	89.8		% Wt		93.1			3.61	20	
Duplicate (B182677-DUP2)	Source: 17G0865-05			Prepared: 07/28/17 Analyzed: 07/29/17						
% Solids	89.7		% Wt		91.5			1.99	20	
Duplicate (B182677-DUP3)	Source: 17G0865-17			Prepared: 07/28/17 Analyzed: 07/29/17						
% Solids	92.3		% Wt		92.7			0.432	20	

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

SW-846 8082A

Lab Sample ID: B182731-BS1 Date(s) Analyzed 07/31/2017 07/31/2017

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	0.16	
	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**
SW-846 8082A

LCS Dup

Lab Sample ID: B182731-BSD1 Date(s) Analyzed 07/31/2017 07/31/2017

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	0.16	
	2	0.000	-0.030	0.030	0.17	0.0
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**

Matrix Spike

SW-846 8082A

Lab Sample ID: B182731-MS1 Date(s) Analyzed 07/31/2017 07/31/2017

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	0.18	
	2	0.000	-0.030	0.030	0.17	11.1
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.18	5.4

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

Matrix Spike

Lab Sample ID: B182731-MS2 Date(s) Analyzed 07/31/2017 07/31/2017

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	0.24	
	2	0.000	-0.030	0.030	0.19	23.3
Aroclor-1260	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.19	5.1

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

Matrix Spike

SW-846 8082A

Lab Sample ID: B182731-MS3 Date(s) Analyzed 07/31/2017 07/31/2017

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	0.15	
	2	0.000	-0.030	0.030	0.14	6.9
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.19	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

Matrix Spike Dup

SW-846 8082A

Lab Sample ID: B182731-MSD1 Date(s) Analyzed 07/31/2017 07/31/2017

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	0.20	
	2	0.000	-0.030	0.030	0.17	16.2
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.19	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

Matrix Spike Dup

SW-846 8082A

Lab Sample ID: B182731-MSD2 Date(s) Analyzed 07/31/2017 07/31/2017

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	0.21	
	2	0.000	-0.030	0.030	0.21	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.19	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

Matrix Spike Dup

SW-846 8082A

Lab Sample ID: B182731-MSD3 Date(s) Analyzed 07/31/2017 07/31/2017

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	0.17	
	2	0.000	-0.030	0.030	0.17	5.7
Aroclor-1260	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.21	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.

CERTIFICATIONS

Certified Analyses included in this Report

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

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

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

1790865



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)

Invoice Recipient: Chris Berthiaume / Will Sirotnak

Sampled By: Chris Berthiaume / Will Sirotnak

Requested Turnaround Time:
 7-Day 10-Day
 Other: 5-day
 Rush Approval Required:
 3-Day
 4-Day
 Date 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-AOC12W-SO-68-1A (MS-MSD)	9/17/17	9:00		X	S	V
2	WS-AOC12W-SO-68-1B		9:02				
3	WS-AOC12W-SO-68-2		9:04				
4	WS-AOC12W-SO-68-3		9:06				
5	WS-AOC12W-SO-74-1 (MS-MSD)		9:00				
6	WS-AOC12W-SO-74-2		9:01				
7	WS-AOC12W-SO-74-3		9:02				
8	WS-AOC12W-SO-74-4		9:03				
9	WS-AOC12W-SO-65-1		9:17				
10	WS-AOC12W-SO-65-2		9:19				

Comments:
 WS-AOC12W-SO-68-1A (MS-MSD)
 Please hold excess volumes for possible SPLP analyses.
 WS-AOC12W-SO-74-1 (MS-MSD)

Relinquished by: (signature)	Date/Time
<i>[Signature]</i>	7/20/17 1535
<i>[Signature]</i>	7/20/17 1535
<i>[Signature]</i>	7/20/17 6:30
<i>[Signature]</i>	7/20/17 1830
<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:
 1 = Iced
 H = HCL
 M = Methanol
 N = Nitric Acid
 S = Sulfuric Acid
 B = Sodium Bisulfate
 X = Sodium Hydroxide
 T = Sodium Thiosulfate
 O = Other (please define)

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

ANALYSIS REQUESTED
 Arsenic
 SPLP ETPH
 ETPH
 PAHs
 SPLP PCBs
 (Soxhlet) PCBs

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

CHAIN OF CUSTODY RECORD

1760865

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)

Invoice Recipient: Chris Berthiaume/Will Sirotak

Sampled By: Chris Berthiaume/Will Sirotak

Requested Turnaround Time:
 7-Day 10-Day
 Other: 3-Day 4-Day
 Rush Approval Requested:
 Data Delivery: EXCEL
 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-A0012W-S0-65-3	7/29/17	9:21	X	S	V	
12	WS-A0012W-S0-70-1		9:22				
13	WS-A0012W-S0-70-2A		9:23				
14	WS-A0012W-S0-70-2B		9:24				
15	WS-A0012W-S0-70-3		9:25				
16	WS-A0012W-S0-70-4		9:26				
17	WS-A0012W-S0-59-1 (MS-MSD)		9:40				
18	WS-A0012W-S0-59-2		9:42				
19	WS-A0012W-S0-59-3		9:44				
20	WS-A0012W-S0-63-1A		9:32				

Comments: WS-A0012W-S0-59-1 (MS-MSD)

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

Detection Limit Requirements

Relinquished by: (signature)	Date/Time
<i>[Signature]</i>	7/29/17 1536
Received by: (signature)	7/29/17 1535
Relinquished by: (signature)	7/29/17 1530
Received by: (signature)	7/29/17 1530
Relinquished by: (signature)	7/29/17 1530
Received by: (signature)	7/29/17 1530

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

of Containers: _____
 2 Preservation Code: _____
 3 Container Code: _____
 Glass Vials/Bottles/Samples:
 Field Filtered
 Lab to Filter
 Other/Bottle 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

SPLP PCBs
(Soxhlet) PCBs
 PAHs
 SPLP ETPH
 ETPH
 Asernic

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 SM Date 7/20/17 Time 1830

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

Were samples within Temperature? 2-6°C T By Gun # 2 Actual Temp - 4.5, 3.4, 3.2
 By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? N/A Were Samples Tampered with? F
 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\A080217.SEC\A0802053.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/2/17
 Data File Name A0802053.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.14	359815	380451	-5
c - 10	1.50	352547	380451	-7
c - 12	2.22	374391	380451	-2
c - 14	2.89	384612	380451	1
c - 16	3.48	394076	380451	4
c - 18	4.05	388606	380451	2
o-Terphenyl	4.36	444826	380451	
c - 20	4.67	393700	380451	3
c - 22	5.18	398363	380451	5
c - 24	5.62	371023	380451	-2
c - 26	6.01	389982	380451	3
c - 28	6.37	384491	380451	1
c - 30	6.70	383606	380451	1
c - 32	7.01	375705	380451	-1
c - 34	7.30	377889	380451	-1
c - 36	7.58	377960	380451	-1

* One compound allowed %D <= 50%

Samples

17G0683-12@20X
 17G0774-04@10X

D:\HPCHEM\1\DATA\A080217.SEC\A080293.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/2/17
 Data File Name A080293.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.14	363192	388257	-6
c - 10	1.49	353450	388257	-9
c - 12	2.23	378033	388257	-3
c - 14	2.89	391251	388257	1
c - 16	3.48	401490	388257	3
c - 18	4.05	397496	388257	2
o-Terphenyl	4.36	454898	388257	
c - 20	4.66	404130	388257	4
c - 22	5.18	408473	388257	5
c - 24	5.62	379630	388257	-2
c - 26	6.01	399141	388257	3
c - 28	6.37	392867	388257	1
c - 30	6.70	393552	388257	1
c - 32	7.01	386366	388257	0
c - 34	7.30	387490	388257	0
c - 36	7.58	387297	388257	0

* One compound allowed %D <= 50%

Samples

17G1059-01@5X
 17G0865-14@5X
 17G0866-14@5X
 17G1077-03
 17G1079-06
 17G1048-01@50X
 17G0911-16@20X
 17G0913-08@50X



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: 17G0865

Laboratory Sample ID(s):

Sample Date(s):

17G0865-01 thru 17G0865-20

07/20/2017

List RCP Methods Used:

CTDEP ETPH, SW-846 6010C-D, 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 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 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: 08/03/17

Name of Laboratory: Con-Test Analytical Laboratory

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

August 3, 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: 17G0866

Enclosed are results of analyses for samples received by the laboratory on July 20, 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: 8/3/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G0866

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-AOC12W-SO-63-1B	17G0866-01	Soil		SM 2540G SW-846 8270D	
WS-AOC12W-SO-63-2	17G0866-02	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-63-3	17G0866-03	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-61-1	17G0866-04	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-61-2	17G0866-05	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-61-3	17G0866-06	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-55-1	17G0866-07	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-55-2	17G0866-08	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-55-3	17G0866-09	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-51-1	17G0866-10	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-51-2	17G0866-11	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-51-3	17G0866-12	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-57-1A	17G0866-13	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-57-1B	17G0866-14	Soil		CTDEP ETPH SM 2540G SW-846 6010C-D	
WS-AOC12W-SO-57-2	17G0866-15	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-57-3	17G0866-16	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-53-1	17G0866-17	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-53-2	17G0866-18	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-53-3	17G0866-19	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-48-1	17G0866-20	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.

For method 6010, only As was requested and reported.

For method 8270, only PAHs were requested and reported.

SW-846 6010C/D SW-846 6020A/B

For NC, Metals methods SW-846 6010D and SW-846 6020B are followed, and for all other states methods SW-846 6010C and SW-846 6020A are followed.

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

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

A handwritten signature in black ink, appearing to read "Lisa A. Worthington", is written over a light gray rectangular background.

Lisa A. Worthington
Project Manager

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

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

Sample Description:

Work Order: 17G0866

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-63-1B

Sampled: 7/20/2017 09:33

Sample ID: 17G0866-01

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	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/28/17 23:17	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/28/17 23:17	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/28/17 23:17	BGL
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/28/17 23:17	BGL
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/28/17 23:17	BGL
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/28/17 23:17	BGL
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/28/17 23:17	BGL
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/28/17 23:17	BGL
Chrysene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/28/17 23:17	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/28/17 23:17	BGL
Fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/28/17 23:17	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/28/17 23:17	BGL
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/28/17 23:17	BGL
2-Methylnaphthalene	0.19	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/28/17 23:17	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/28/17 23:17	BGL
Phenanthrene	0.35	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/28/17 23:17	BGL
Pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/28/17 23:17	BGL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Nitrobenzene-d5		32.0	30-130					7/28/17 23:17	
2-Fluorobiphenyl		30.7	30-130					7/28/17 23:17	
p-Terphenyl-d14		33.8	30-130					7/28/17 23:17	

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

Sample Description:

Work Order: 17G0866

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-63-1B

Sampled: 7/20/2017 09:33

Sample ID: 17G0866-01

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.4		% Wt	1		SM 2540G	7/28/17	7/29/17 5:34	MRL

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

Sample Description:

Work Order: 17G0866

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-63-2

Sampled: 7/20/2017 09:34

Sample ID: 17G0866-02

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	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 13:40	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 13:40	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 13:40	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 13:40	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 13:40	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 13:40	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 13:40	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 13:40	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 13:40	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		94.6	30-150					7/31/17 13:40	
Decachlorobiphenyl [2]		109	30-150					7/31/17 13:40	
Tetrachloro-m-xylene [1]		86.1	30-150					7/31/17 13:40	
Tetrachloro-m-xylene [2]		93.4	30-150					7/31/17 13:40	

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

Sample Description:

Work Order: 17G0866

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-63-2

Sampled: 7/20/2017 09:34

Sample ID: 17G0866-02

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.2		% Wt	1		SM 2540G	7/28/17	7/29/17 5:34	MRL

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

Sample Description:

Work Order: 17G0866

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-63-3

Sampled: 7/20/2017 09:35

Sample ID: 17G0866-03

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	0.18	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 13:53	KAL
Aroclor-1221 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 13:53	KAL
Aroclor-1232 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 13:53	KAL
Aroclor-1242 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 13:53	KAL
Aroclor-1248 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 13:53	KAL
Aroclor-1254 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 13:53	KAL
Aroclor-1260 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 13:53	KAL
Aroclor-1262 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 13:53	KAL
Aroclor-1268 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 13:53	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		95.1	30-150					7/31/17 13:53	
Decachlorobiphenyl [2]		111	30-150					7/31/17 13:53	
Tetrachloro-m-xylene [1]		90.2	30-150					7/31/17 13:53	
Tetrachloro-m-xylene [2]		99.1	30-150					7/31/17 13:53	

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

Sample Description:

Work Order: 17G0866

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-63-3

Sampled: 7/20/2017 09:35

Sample ID: 17G0866-03

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	54.2		% Wt	1		SM 2540G	7/28/17	7/29/17 5:34	MRL

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

Sample Description:

Work Order: 17G0866

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-61-1

Sampled: 7/20/2017 09:50

Sample ID: 17G0866-04

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	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 14:06	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 14:06	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 14:06	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 14:06	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 14:06	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 14:06	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 14:06	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 14:06	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 14:06	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		97.8	30-150					7/31/17 14:06	
Decachlorobiphenyl [2]		113	30-150					7/31/17 14:06	
Tetrachloro-m-xylene [1]		96.9	30-150					7/31/17 14:06	
Tetrachloro-m-xylene [2]		105	30-150					7/31/17 14:06	

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

Sample Description:

Work Order: 17G0866

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-61-1

Sampled: 7/20/2017 09:50

Sample ID: 17G0866-04

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.3		% Wt	1		SM 2540G	7/28/17	7/29/17 5:34	MRL

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

Sample Description:

Work Order: 17G0866

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-61-2

Sampled: 7/20/2017 09:51

Sample ID: 17G0866-05

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	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 14:18	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 14:18	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 14:18	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 14:18	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 14:18	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 14:18	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 14:18	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 14:18	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 14:18	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		93.1	30-150					7/31/17 14:18	
Decachlorobiphenyl [2]		107	30-150					7/31/17 14:18	
Tetrachloro-m-xylene [1]		85.9	30-150					7/31/17 14:18	
Tetrachloro-m-xylene [2]		93.2	30-150					7/31/17 14:18	

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: 17G0866

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-61-2

Sampled: 7/20/2017 09:51

Sample ID: 17G0866-05

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.0		% Wt	1		SM 2540G	7/27/17	7/28/17 10:26	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: 17G0866

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-61-3

Sampled: 7/20/2017 09:52

Sample ID: 17G0866-06

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	0.17	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 14:36	KAL
Aroclor-1221 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 14:36	KAL
Aroclor-1232 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 14:36	KAL
Aroclor-1242 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 14:36	KAL
Aroclor-1248 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 14:36	KAL
Aroclor-1254 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 14:36	KAL
Aroclor-1260 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 14:36	KAL
Aroclor-1262 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 14:36	KAL
Aroclor-1268 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 14:36	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		88.0	30-150					7/31/17 14:36	
Decachlorobiphenyl [2]		104	30-150					7/31/17 14:36	
Tetrachloro-m-xylene [1]		91.8	30-150					7/31/17 14:36	
Tetrachloro-m-xylene [2]		97.9	30-150					7/31/17 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: 17G0866

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-61-3

Sampled: 7/20/2017 09:52

Sample ID: 17G0866-06

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	59.4		% Wt	1		SM 2540G	7/27/17	7/28/17 10:26	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: 17G0866

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-55-1

Sampled: 7/20/2017 10:04

Sample ID: 17G0866-07

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	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 14:54	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 14:54	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 14:54	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 14:54	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 14:54	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 14:54	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 14:54	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 14:54	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 14:54	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		93.7	30-150					7/31/17 14:54	
Decachlorobiphenyl [2]		107	30-150					7/31/17 14:54	
Tetrachloro-m-xylene [1]		87.6	30-150					7/31/17 14:54	
Tetrachloro-m-xylene [2]		96.4	30-150					7/31/17 14:54	

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: 17G0866

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-55-1

Sampled: 7/20/2017 10:04

Sample ID: 17G0866-07

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.4		% Wt	1		SM 2540G	7/27/17	7/28/17 10:26	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: 17G0866

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-55-2

Sampled: 7/20/2017 10:06

Sample ID: 17G0866-08

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	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 15:12	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 15:12	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 15:12	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 15:12	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 15:12	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 15:12	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 15:12	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 15:12	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 15:12	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		90.9	30-150					7/31/17 15:12	
Decachlorobiphenyl [2]		104	30-150					7/31/17 15:12	
Tetrachloro-m-xylene [1]		86.5	30-150					7/31/17 15:12	
Tetrachloro-m-xylene [2]		91.0	30-150					7/31/17 15:12	

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: 17G0866

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-55-2

Sampled: 7/20/2017 10:06

Sample ID: 17G0866-08

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	93.5		% Wt	1		SM 2540G	7/27/17	7/28/17 10:26	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: 17G0866

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-55-3

Sampled: 7/20/2017 10:08

Sample ID: 17G0866-09

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	0.15	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 16:19	KAL
Aroclor-1221 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 16:19	KAL
Aroclor-1232 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 16:19	KAL
Aroclor-1242 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 16:19	KAL
Aroclor-1248 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 16:19	KAL
Aroclor-1254 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 16:19	KAL
Aroclor-1260 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 16:19	KAL
Aroclor-1262 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 16:19	KAL
Aroclor-1268 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 16:19	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		96.6	30-150					7/31/17 16:19	
Decachlorobiphenyl [2]		110	30-150					7/31/17 16:19	
Tetrachloro-m-xylene [1]		90.4	30-150					7/31/17 16:19	
Tetrachloro-m-xylene [2]		97.1	30-150					7/31/17 16:19	

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: 17G0866

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-55-3

Sampled: 7/20/2017 10:08

Sample ID: 17G0866-09

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	68.3		% Wt	1		SM 2540G	7/27/17	7/28/17 10:26	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: 17G0866

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-51-1

Sampled: 7/20/2017 10:10

Sample ID: 17G0866-10

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	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 16:37	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 16:37	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 16:37	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 16:37	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 16:37	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 16:37	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 16:37	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 16:37	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 16:37	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		105	30-150					7/31/17 16:37	
Decachlorobiphenyl [2]		118	30-150					7/31/17 16:37	
Tetrachloro-m-xylene [1]		94.8	30-150					7/31/17 16:37	
Tetrachloro-m-xylene [2]		104	30-150					7/31/17 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: 17G0866

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-51-1

Sampled: 7/20/2017 10:10

Sample ID: 17G0866-10

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	97.1		% Wt	1		SM 2540G	7/27/17	7/28/17 10:26	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: 17G0866

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-51-2

Sampled: 7/20/2017 10:12

Sample ID: 17G0866-11

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	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 16:55	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 16:55	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 16:55	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 16:55	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 16:55	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 16:55	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 16:55	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 16:55	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 16:55	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		73.3	30-150					7/31/17 16:55	
Decachlorobiphenyl [2]		84.0	30-150					7/31/17 16:55	
Tetrachloro-m-xylene [1]		70.0	30-150					7/31/17 16:55	
Tetrachloro-m-xylene [2]		74.3	30-150					7/31/17 16:55	

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: 17G0866

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-51-2

Sampled: 7/20/2017 10:12

Sample ID: 17G0866-11

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.1		% Wt	1		SM 2540G	7/27/17	7/28/17 10:26	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: 17G0866

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-51-3

Sampled: 7/20/2017 10:14

Sample ID: 17G0866-12

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	0.15	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:13	KAL
Aroclor-1221 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:13	KAL
Aroclor-1232 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:13	KAL
Aroclor-1242 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:13	KAL
Aroclor-1248 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:13	KAL
Aroclor-1254 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:13	KAL
Aroclor-1260 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:13	KAL
Aroclor-1262 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:13	KAL
Aroclor-1268 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:13	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		107	30-150					7/31/17 17:13	
Decachlorobiphenyl [2]		121	30-150					7/31/17 17:13	
Tetrachloro-m-xylene [1]		93.9	30-150					7/31/17 17:13	
Tetrachloro-m-xylene [2]		98.5	30-150					7/31/17 17:13	

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: 17G0866

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-51-3

Sampled: 7/20/2017 10:14

Sample ID: 17G0866-12

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	66.7		% Wt	1		SM 2540G	7/27/17	7/28/17 10:26	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: 17G0866

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-57-1A

Sampled: 7/20/2017 10:02

Sample ID: 17G0866-13

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	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:31	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:31	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:31	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:31	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:31	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:31	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:31	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:31	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:31	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		95.2	30-150					7/31/17 17:31	
Decachlorobiphenyl [2]		107	30-150					7/31/17 17:31	
Tetrachloro-m-xylene [1]		85.6	30-150					7/31/17 17:31	
Tetrachloro-m-xylene [2]		95.0	30-150					7/31/17 17:31	

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: 17G0866

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-57-1A

Sampled: 7/20/2017 10:02

Sample ID: 17G0866-13

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.1		% Wt	1		SM 2540G	7/27/17	7/28/17 10:26	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: 17G0866

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-57-1B

Sampled: 7/20/2017 10:03

Sample ID: 17G0866-14

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	430	61	mg/Kg dry	5		CTDEP ETPH	7/27/17	8/3/17 0:12	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		87.7	50-150					8/3/17 0:12	

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: 17G0866

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-57-1B

Sampled: 7/20/2017 10:03

Sample ID: 17G0866-14

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	6.5	2.9	mg/Kg dry	1		SW-846 6010C-D	7/24/17	7/26/17 12:16	QNW

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

Sample Description:

Work Order: 17G0866

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-57-1B

Sampled: 7/20/2017 10:03

Sample ID: 17G0866-14

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	81.9		% Wt	1		SM 2540G	7/27/17	7/28/17 10:26	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: 17G0866

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-57-2

Sampled: 7/20/2017 10:04

Sample ID: 17G0866-15

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	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:49	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:49	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:49	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:49	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:49	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:49	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:49	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:49	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 17:49	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		89.4	30-150					7/31/17 17:49	
Decachlorobiphenyl [2]		101	30-150					7/31/17 17:49	
Tetrachloro-m-xylene [1]		81.6	30-150					7/31/17 17:49	
Tetrachloro-m-xylene [2]		85.6	30-150					7/31/17 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: 17G0866

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-57-2

Sampled: 7/20/2017 10:04

Sample ID: 17G0866-15

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.3		% Wt	1		SM 2540G	7/27/17	7/28/17 10:26	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: 17G0866

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-57-3

Sampled: 7/20/2017 10:05

Sample ID: 17G0866-16

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	0.13	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:07	KAL
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:07	KAL
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:07	KAL
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:07	KAL
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:07	KAL
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:07	KAL
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:07	KAL
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:07	KAL
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:07	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		101	30-150					7/31/17 18:07	
Decachlorobiphenyl [2]		114	30-150					7/31/17 18:07	
Tetrachloro-m-xylene [1]		93.7	30-150					7/31/17 18:07	
Tetrachloro-m-xylene [2]		99.9	30-150					7/31/17 18:07	

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

Sample Description:

Work Order: 17G0866

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-57-3

Sampled: 7/20/2017 10:05

Sample ID: 17G0866-16

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	79.1		% Wt	1		SM 2540G	7/27/17	7/28/17 10:26	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: 17G0866

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-53-1

Sampled: 7/20/2017 10:15

Sample ID: 17G0866-17

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	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:25	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:25	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:25	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:25	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:25	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:25	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:25	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:25	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:25	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		73.3	30-150					7/31/17 18:25	
Decachlorobiphenyl [2]		82.9	30-150					7/31/17 18:25	
Tetrachloro-m-xylene [1]		66.3	30-150					7/31/17 18:25	
Tetrachloro-m-xylene [2]		71.0	30-150					7/31/17 18:25	

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

Sample Description:

Work Order: 17G0866

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-53-1

Sampled: 7/20/2017 10:15

Sample ID: 17G0866-17

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	86.7		% Wt	1		SM 2540G	7/27/17	7/28/17 10:26	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: 17G0866

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-53-2

Sampled: 7/20/2017 10:16

Sample ID: 17G0866-18

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	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:42	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:42	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:42	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:42	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:42	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:42	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:42	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:42	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 18:42	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		93.0	30-150					7/31/17 18:42	
Decachlorobiphenyl [2]		105	30-150					7/31/17 18:42	
Tetrachloro-m-xylene [1]		89.9	30-150					7/31/17 18:42	
Tetrachloro-m-xylene [2]		92.0	30-150					7/31/17 18:42	

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

Sample Description:

Work Order: 17G0866

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-53-2

Sampled: 7/20/2017 10:16

Sample ID: 17G0866-18

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.3		% Wt	1		SM 2540G	7/27/17	7/28/17 10:26	MRL

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

Sample Description:

Work Order: 17G0866

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-53-3

Sampled: 7/20/2017 10:17

Sample ID: 17G0866-19

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	5		SW-846 8082A	7/27/17	7/31/17 19:00	KAL
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:00	KAL
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:00	KAL
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:00	KAL
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:00	KAL
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:00	KAL
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:00	KAL
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:00	KAL
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:00	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		93.7	30-150					7/31/17 19:00	
Decachlorobiphenyl [2]		118	30-150					7/31/17 19:00	
Tetrachloro-m-xylene [1]		86.8	30-150					7/31/17 19:00	
Tetrachloro-m-xylene [2]		93.6	30-150					7/31/17 19:00	

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

Sample Description:

Work Order: 17G0866

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-53-3

Sampled: 7/20/2017 10:17

Sample ID: 17G0866-19

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	71.1		% Wt	1		SM 2540G	7/27/17	7/28/17 10:26	MRL

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

Sample Description:

Work Order: 17G0866

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-48-1

Sampled: 7/20/2017 10:30

Sample ID: 17G0866-20

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	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:18	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:18	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:18	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:18	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:18	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:18	KAL
Aroclor-1260 [2]	0.19	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:18	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:18	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 19:18	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		96.1	30-150					7/31/17 19:18	
Decachlorobiphenyl [2]		109	30-150					7/31/17 19:18	
Tetrachloro-m-xylene [1]		88.7	30-150					7/31/17 19:18	
Tetrachloro-m-xylene [2]		95.9	30-150					7/31/17 19:18	

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

Sample Description:

Work Order: 17G0866

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-48-1

Sampled: 7/20/2017 10:30

Sample ID: 17G0866-20

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	92.7		% Wt	1		SM 2540G	7/27/17	7/28/17 10:26	MRL

Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0866-14 [WS-AOC12W-SO-57-1B]	B182711	30.0	1.00	07/27/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17G0866-01 [WS-AOC12W-SO-63-1B]	B182677	07/28/17
17G0866-02 [WS-AOC12W-SO-63-2]	B182677	07/28/17
17G0866-03 [WS-AOC12W-SO-63-3]	B182677	07/28/17
17G0866-04 [WS-AOC12W-SO-61-1]	B182677	07/28/17
17G0866-05 [WS-AOC12W-SO-61-2]	B182677	07/27/17
17G0866-06 [WS-AOC12W-SO-61-3]	B182677	07/27/17
17G0866-07 [WS-AOC12W-SO-55-1]	B182677	07/27/17
17G0866-08 [WS-AOC12W-SO-55-2]	B182677	07/27/17
17G0866-09 [WS-AOC12W-SO-55-3]	B182677	07/27/17
17G0866-10 [WS-AOC12W-SO-51-1]	B182677	07/27/17
17G0866-11 [WS-AOC12W-SO-51-2]	B182677	07/27/17
17G0866-12 [WS-AOC12W-SO-51-3]	B182677	07/27/17
17G0866-13 [WS-AOC12W-SO-57-1A]	B182677	07/27/17
17G0866-14 [WS-AOC12W-SO-57-1B]	B182677	07/27/17
17G0866-15 [WS-AOC12W-SO-57-2]	B182677	07/27/17
17G0866-16 [WS-AOC12W-SO-57-3]	B182677	07/27/17
17G0866-17 [WS-AOC12W-SO-53-1]	B182677	07/27/17
17G0866-18 [WS-AOC12W-SO-53-2]	B182677	07/27/17
17G0866-19 [WS-AOC12W-SO-53-3]	B182677	07/27/17
17G0866-20 [WS-AOC12W-SO-48-1]	B182677	07/27/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0866-14 [WS-AOC12W-SO-57-1B]	B182378	1.05	50.0	07/24/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0866-02 [WS-AOC12W-SO-63-2]	B182730	10.0	10.0	07/27/17
17G0866-03 [WS-AOC12W-SO-63-3]	B182730	10.0	10.0	07/27/17
17G0866-04 [WS-AOC12W-SO-61-1]	B182730	10.0	10.0	07/27/17
17G0866-05 [WS-AOC12W-SO-61-2]	B182730	10.0	10.0	07/27/17
17G0866-06 [WS-AOC12W-SO-61-3]	B182730	10.0	10.0	07/27/17
17G0866-07 [WS-AOC12W-SO-55-1]	B182730	10.0	10.0	07/27/17
17G0866-08 [WS-AOC12W-SO-55-2]	B182730	10.0	10.0	07/27/17
17G0866-09 [WS-AOC12W-SO-55-3]	B182730	10.0	10.0	07/27/17
17G0866-10 [WS-AOC12W-SO-51-1]	B182730	10.0	10.0	07/27/17
17G0866-11 [WS-AOC12W-SO-51-2]	B182730	10.0	10.0	07/27/17
17G0866-12 [WS-AOC12W-SO-51-3]	B182730	10.0	10.0	07/27/17
17G0866-13 [WS-AOC12W-SO-57-1A]	B182730	10.0	10.0	07/27/17
17G0866-15 [WS-AOC12W-SO-57-2]	B182730	10.0	10.0	07/27/17
17G0866-16 [WS-AOC12W-SO-57-3]	B182730	10.0	10.0	07/27/17
17G0866-17 [WS-AOC12W-SO-53-1]	B182730	10.0	10.0	07/27/17
17G0866-18 [WS-AOC12W-SO-53-2]	B182730	10.0	10.0	07/27/17
17G0866-19 [WS-AOC12W-SO-53-3]	B182730	10.0	10.0	07/27/17

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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
17G0866-20 [WS-AOC12W-SO-48-1]	B182730	10.0	10.0	07/27/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0866-01 [WS-AOC12W-SO-63-1B]	B182702	30.0	1.00	07/27/17

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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 B182702 - SW-846 3546										
Blank (B182702-BLK1)										
Prepared: 07/27/17 Analyzed: 07/28/17										
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	1.56		mg/Kg wet	3.33		46.8	30-130			
Surrogate: 2-Fluorobiphenyl	1.50		mg/Kg wet	3.33		44.9	30-130			
Surrogate: p-Terphenyl-d14	1.56		mg/Kg wet	3.33		46.8	30-130			
LCS (B182702-BS1)										
Prepared: 07/27/17 Analyzed: 07/31/17										
Acenaphthene	1.17	0.17	mg/Kg wet	1.67		70.5	40-140			
Acenaphthylene	1.14	0.17	mg/Kg wet	1.67		68.2	40-140			
Anthracene	1.21	0.17	mg/Kg wet	1.67		72.4	40-140			
Benzo(a)anthracene	1.24	0.17	mg/Kg wet	1.67		74.4	40-140			
Benzo(a)pyrene	1.21	0.17	mg/Kg wet	1.67		72.7	40-140			
Benzo(b)fluoranthene	1.12	0.17	mg/Kg wet	1.67		67.1	40-140			
Benzo(g,h,i)perylene	1.48	0.17	mg/Kg wet	1.67		88.5	40-140			
Benzo(k)fluoranthene	1.13	0.17	mg/Kg wet	1.67		67.8	40-140			
Chrysene	1.24	0.17	mg/Kg wet	1.67		74.1	40-140			
Dibenz(a,h)anthracene	1.39	0.17	mg/Kg wet	1.67		83.3	40-140			
Fluoranthene	1.09	0.17	mg/Kg wet	1.67		65.3	40-140			
Fluorene	1.18	0.17	mg/Kg wet	1.67		70.6	40-140			
Indeno(1,2,3-cd)pyrene	1.35	0.17	mg/Kg wet	1.67		81.0	40-140			
2-Methylnaphthalene	1.20	0.17	mg/Kg wet	1.67		71.8	40-140			
Naphthalene	1.13	0.17	mg/Kg wet	1.67		67.9	40-140			
Phenanthrene	1.20	0.17	mg/Kg wet	1.67		72.2	40-140			
Pyrene	1.31	0.17	mg/Kg wet	1.67		78.6	40-140			
Surrogate: Nitrobenzene-d5	2.68		mg/Kg wet	3.33		80.4	30-130			
Surrogate: 2-Fluorobiphenyl	2.68		mg/Kg wet	3.33		80.5	30-130			
Surrogate: p-Terphenyl-d14	2.96		mg/Kg wet	3.33		88.7	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
Batch B182702 - SW-846 3546										
LCS Dup (B182702-BSD1)										
					Prepared: 07/27/17 Analyzed: 07/31/17					
Acenaphthene	0.953	0.17	mg/Kg wet	1.67		57.2	40-140	20.8	30	
Acenaphthylene	0.915	0.17	mg/Kg wet	1.67		54.9	40-140	21.6	30	
Anthracene	0.982	0.17	mg/Kg wet	1.67		58.9	40-140	20.6	30	
Benzo(a)anthracene	1.01	0.17	mg/Kg wet	1.67		60.4	40-140	20.7	30	
Benzo(a)pyrene	0.995	0.17	mg/Kg wet	1.67		59.7	40-140	19.7	30	
Benzo(b)fluoranthene	0.918	0.17	mg/Kg wet	1.67		55.1	40-140	19.8	30	
Benzo(g,h,i)perylene	1.21	0.17	mg/Kg wet	1.67		72.6	40-140	19.8	30	
Benzo(k)fluoranthene	0.903	0.17	mg/Kg wet	1.67		54.2	40-140	22.4	30	
Chrysene	0.989	0.17	mg/Kg wet	1.67		59.3	40-140	22.2	30	
Dibenz(a,h)anthracene	1.14	0.17	mg/Kg wet	1.67		68.3	40-140	19.8	30	
Fluoranthene	0.901	0.17	mg/Kg wet	1.67		54.0	40-140	18.8	30	
Fluorene	0.946	0.17	mg/Kg wet	1.67		56.7	40-140	21.7	30	
Indeno(1,2,3-cd)pyrene	1.10	0.17	mg/Kg wet	1.67		66.3	40-140	20.0	30	
2-Methylnaphthalene	0.983	0.17	mg/Kg wet	1.67		59.0	40-140	19.6	30	
Naphthalene	0.960	0.17	mg/Kg wet	1.67		57.6	40-140	16.5	30	
Phenanthrene	0.979	0.17	mg/Kg wet	1.67		58.8	40-140	20.5	30	
Pyrene	1.04	0.17	mg/Kg wet	1.67		62.4	40-140	22.9	30	
Surrogate: Nitrobenzene-d5	2.25		mg/Kg wet	3.33		67.6	30-130			
Surrogate: 2-Fluorobiphenyl	2.15		mg/Kg wet	3.33		64.6	30-130			
Surrogate: p-Terphenyl-d14	2.33		mg/Kg wet	3.33		70.0	30-130			

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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 B182730 - SW-846 3540C										
Blank (B182730-BLK1)										
Prepared: 07/27/17 Analyzed: 07/31/17										
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	0.196		mg/Kg wet	0.200		98.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.230		mg/Kg wet	0.200		115	30-150			
Surrogate: Tetrachloro-m-xylene	0.181		mg/Kg wet	0.200		90.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.201		mg/Kg wet	0.200		100	30-150			
LCS (B182730-BS1)										
Prepared: 07/27/17 Analyzed: 07/31/17										
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		81.6	40-140			
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		101	40-140			
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		74.8	40-140			
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.200		91.6	40-140			
Surrogate: Decachlorobiphenyl	0.195		mg/Kg wet	0.200		97.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.228		mg/Kg wet	0.200		114	30-150			
Surrogate: Tetrachloro-m-xylene	0.179		mg/Kg wet	0.200		89.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.199		mg/Kg wet	0.200		99.4	30-150			
LCS Dup (B182730-BSD1)										
Prepared: 07/27/17 Analyzed: 07/31/17										
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		87.0	40-140	6.37	30	
Aroclor-1016 [2C]	0.21	0.020	mg/Kg wet	0.200		105	40-140	3.76	30	
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		78.7	40-140	5.17	30	
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		94.0	40-140	2.62	30	
Surrogate: Decachlorobiphenyl	0.201		mg/Kg wet	0.200		100	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.227		mg/Kg wet	0.200		113	30-150			
Surrogate: Tetrachloro-m-xylene	0.189		mg/Kg wet	0.200		94.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.202		mg/Kg wet	0.200		101	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 B182730 - SW-846 3540C

Matrix Spike (B182730-MS1)

Source: 17G0866-17

Prepared: 07/27/17 Analyzed: 07/31/17

Aroclor-1016	0.19	0.12	mg/Kg dry	0.231	ND	81.3	40-140			
Aroclor-1016 [2C]	0.23	0.12	mg/Kg dry	0.231	ND	98.9	40-140			
Aroclor-1260	0.23	0.12	mg/Kg dry	0.231	0.069	69.0	40-140			
Aroclor-1260 [2C]	0.28	0.12	mg/Kg dry	0.231	0.094	80.6	40-140			
Surrogate: Decachlorobiphenyl	0.210		mg/Kg dry	0.231		91.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.236		mg/Kg dry	0.231		102	30-150			
Surrogate: Tetrachloro-m-xylene	0.194		mg/Kg dry	0.231		84.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.208		mg/Kg dry	0.231		90.0	30-150			

Matrix Spike Dup (B182730-MSD1)

Source: 17G0866-17

Prepared: 07/27/17 Analyzed: 07/31/17

Aroclor-1016	0.21	0.12	mg/Kg dry	0.231	ND	89.1	40-140	9.09	50	
Aroclor-1016 [2C]	0.27	0.12	mg/Kg dry	0.231	ND	119	40-140	18.6	50	
Aroclor-1260	0.26	0.12	mg/Kg dry	0.231	0.069	83.1	40-140	13.3	50	
Aroclor-1260 [2C]	0.32	0.12	mg/Kg dry	0.231	0.094	96.4	40-140	12.2	50	
Surrogate: Decachlorobiphenyl	0.232		mg/Kg dry	0.231		100	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.259		mg/Kg dry	0.231		112	30-150			
Surrogate: Tetrachloro-m-xylene	0.213		mg/Kg dry	0.231		92.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.224		mg/Kg dry	0.231		97.1	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 B182711 - SW-846 3546										
Blank (B182711-BLK1)										
					Prepared: 07/27/17 Analyzed: 08/01/17					
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	3.13		mg/Kg wet	3.33		93.9	50-150			
LCS (B182711-BS1)										
					Prepared: 07/27/17 Analyzed: 08/01/17					
CT ETPH	29.4	10	mg/Kg wet	33.3		88.2	60-120			
Surrogate: o-Terphenyl	2.65		mg/Kg wet	3.33		79.5	50-150			
LCS Dup (B182711-BSD1)										
					Prepared: 07/27/17 Analyzed: 08/01/17					
CT ETPH	28.3	10	mg/Kg wet	33.3		85.0	60-120	3.69	30	
Surrogate: o-Terphenyl	2.56		mg/Kg wet	3.33		76.9	50-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B182378 - SW-846 3050B										
Blank (B182378-BLK1)										
					Prepared: 07/24/17 Analyzed: 07/26/17					
Arsenic	ND	2.5	mg/Kg wet							
LCS (B182378-BS1)										
					Prepared: 07/24/17 Analyzed: 07/26/17					
Arsenic	54.2	5.0	mg/Kg wet	57.0		95.1	77.8-122.1			
LCS Dup (B182378-BSD1)										
					Prepared: 07/24/17 Analyzed: 07/26/17					
Arsenic	53.8	5.1	mg/Kg wet	57.0		94.4	77.8-122.1	0.736	30	

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QUALITY CONTROL

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B182677 - % Solids

Duplicate (B182677-DUP4)

Source: 17G0866-17

Prepared: 07/27/17 Analyzed: 07/28/17

% Solids	86.7		% Wt		86.7			0.00	20	
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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

WS-AOC12W-SO-48-1

SW-846 8082A

Lab Sample ID: 17G0866-20 Date(s) Analyzed: 07/31/2017 07/31/2017

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-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.19	17.1

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

SW-846 8082A

Lab Sample ID: B182730-BS1 Date(s) Analyzed: 07/31/2017 07/31/2017

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	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.20	22.2
Aroclor-1260	1	0.000	-0.030	0.030	0.15	
	2	0.000	-0.030	0.030	0.18	18.2

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

SW-846 8082A

Lab Sample ID: B182730-BSD1 Date(s) Analyzed: 07/31/2017 07/31/2017

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	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.21	21.1
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.19	17.1

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

Matrix Spike

SW-846 8082A

Lab Sample ID: B182730-MS1 Date(s) Analyzed: 07/31/2017 07/31/2017

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	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.23	19.0
Aroclor-1260	1	0.000	-0.030	0.030	0.23	
	2	0.000	-0.030	0.030	0.28	19.6

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

Matrix Spike Dup

SW-846 8082A

Lab Sample ID: B182730-MSD1 Date(s) Analyzed: 07/31/2017 07/31/2017

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	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.27	25.0
Aroclor-1260	1	0.000	-0.030	0.030	0.26	
	2	0.000	-0.030	0.030	0.32	20.7

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
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.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
SW-846 6010C-D in Soil	
Arsenic	CT,NH,NY,ME,VA,NC
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

1760866



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

Company Name: West & 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

Requires 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-AOC12W-SO-63-1B	7/20/17	9:33		X	S	U
2	WS-AOC12W-SO-63-2		9:34				
3	WS-AOC12W-SO-63-3		9:35				
4	WS-AOC12W-SO-61-1		9:50				
5	WS-AOC12W-SO-69-2		9:51				
6	WS-AOC12W-SO-61-3		9:52				
7	WS-AOC12W-SO-55-1		10:04				
8	WS-AOC12W-SO-55-2		10:06				
9	WS-AOC12W-SO-55-3		10:08				
10	WS-AOC12W-SO-51-1		10:10				

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: 7/20/17 1535

Received by: (signature) Date/Time: 7/20/17 1535

Relinquished by: (signature) Date/Time: 7/20/17 1830

Received by: (signature) Date/Time: 7/20/17 1830

Relinquished by: (signature) Date/Time:

Received by: (signature) Date/Time:

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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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

PAHs	X
SPLP PCBs	X
(Soxhlet) PCBs	X
Asenic	
SPLP ETPH	
ETPH	

1760866

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 Rcohy 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	Requested Turnaround Time		
								7-Day	10-Day	5-Day
11	WS-A0C12W-S0-51-3	7/20/17	10:12		X	S	U	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12	WS-A0C12W-S0-51-3		10:14					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13	WS-A0C12W-S0-51-1A		10:02					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14	WS-A0C12W-S0-51-1B		10:03					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15	WS-A0C12W-S0-51-2		10:04					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16	WS-A0C12W-S0-51-3		10:05					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17	WS-A0C12W-S0-53-1 (MS-MSD)		10:15					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18	WS-A0C12W-S0-53-2		10:16					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19	WS-A0C12W-S0-53-3		10:17					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20	WS-A0C12W-S0-53-1		10:30					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments:
 WS-A0C12W-S0-53-1 (MS-MSD)
 Please hold excess volumes for possible SPLP analyses.

Relinquished by: (signature) *[Signature]* Date/Time: 7/20/17 15:35
Received by: (signature) *[Signature]* Date/Time: 7/20/17 15:35
Relinquished by: (signature) *[Signature]* Date/Time: 7/20/17 15:35
Received by: (signature) *[Signature]* Date/Time: 7/20/17 15:30
Relinquished by: (signature) *[Signature]* Date/Time: 7/20/17 15:30
Received by: (signature) *[Signature]* Date/Time: 7/20/17 15:30

Program Information
 MCP Analytical Certification Form Required
 RCP Analysis Certification Form Required
 MA State DW Form Required
 PWSID # _____
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ANALYSIS REQUESTED
 SPLP PCBs
 (Soxhlet) PCBs
 PAHs
 ETPH
 SPLP ETPH
 Arsenic

- 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



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 SM Date 7/20/17 Time 1830
 How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
 Direct from Sampling _____ Ambient _____ Melted Ice _____
 Were samples within Temperature? 2-6°C T By Gun # 2 Actual Temp - 4.5, 3.4, 3.2
 By Blank # _____ Actual Temp - _____
 Was Custody Seal Intact? N/A Were Samples Tampered with? F
 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 T SM
 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\A080217.SEC\A0802053.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/2/17
 Data File Name A0802053.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.14	359815	380451	-5
c - 10	1.50	352547	380451	-7
c - 12	2.22	374391	380451	-2
c - 14	2.89	384612	380451	1
c - 16	3.48	394076	380451	4
c - 18	4.05	388606	380451	2
o-Terphenyl	4.36	444826	380451	
c - 20	4.67	393700	380451	3
c - 22	5.18	398363	380451	5
c - 24	5.62	371023	380451	-2
c - 26	6.01	389982	380451	3
c - 28	6.37	384491	380451	1
c - 30	6.70	383606	380451	1
c - 32	7.01	375705	380451	-1
c - 34	7.30	377889	380451	-1
c - 36	7.58	377960	380451	-1

* One compound allowed %D <= 50%

Samples

17G0683-12@20X
 17G0774-04@10X

D:\HPCHEM\1\DATA\A080217.SEC\A080293.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/2/17
 Data File Name A080293.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.14	363192	388257	-6
c - 10	1.49	353450	388257	-9
c - 12	2.23	378033	388257	-3
c - 14	2.89	391251	388257	1
c - 16	3.48	401490	388257	3
c - 18	4.05	397496	388257	2
o-Terphenyl	4.36	454898	388257	
c - 20	4.66	404130	388257	4
c - 22	5.18	408473	388257	5
c - 24	5.62	379630	388257	-2
c - 26	6.01	399141	388257	3
c - 28	6.37	392867	388257	1
c - 30	6.70	393552	388257	1
c - 32	7.01	386366	388257	0
c - 34	7.30	387490	388257	0
c - 36	7.58	387297	388257	0

* One compound allowed %D <= 50%

Samples

17G1059-01@5X
 17G0865-14@5X
 17G0866-14@5X
 17G1077-03
 17G1079-06
 17G1048-01@50X
 17G0911-16@20X
 17G0913-08@50X



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: 17G0866

Laboratory Sample ID(s):

Sample Date(s):

17G0866-01 thru 17G0866-20

07/20/2017

List RCP Methods Used:

CTDEP ETPH, SW-846 6010C-D, 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 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 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: 08/03/17

Name of Laboratory: Con-Test Analytical Laboratory

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

August 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: 17G0867

Enclosed are results of analyses for samples received by the laboratory on July 20, 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: 8/15/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G0867

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-AOC12W-SO-48-2	17G0867-01	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-48-3	17G0867-02	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-88-1	17G0867-03	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-88-2A	17G0867-04	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-88-2B	17G0867-05	Soil		CTDEP ETPH SM 2540G	
WS-AOC12W-SO-88-3	17G0867-06	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-88-4	17G0867-07	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-87-1	17G0867-08	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-87-2A	17G0867-09	Water		SM 2540G SW-846 8082A	
WS-AOC12W-SO-87-2B	17G0867-10	Soil		SM 2540G SW-846 8270D	
WS-AOC12W-SO-87-3	17G0867-11	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-87-4	17G0867-12	Water		SM 2540G SW-846 8082A	
WS-AOC12W-SO-97-1	17G0867-13	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-97-2A	17G0867-14	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-97-2B	17G0867-15	Soil		SM 2540G SW-846 8270D	
WS-AOC12W-SO-97-3	17G0867-16	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-97-4	17G0867-17	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-89-1	17G0867-18	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-89-2	17G0867-19	Soil		SM 2540G SW-846 8082A	
WS-AOC12W-SO-89-3	17G0867-20	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.

REVISED REPORT 08/15/17 - Sample IDs updated per chain of custody.

For method 8270, only PAHs were requested and reported.

SW-846 8082A

Qualifications:**S-01**

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

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

17G0867-12[WS-AOC12W-SO-87-4]

Decachlorobiphenyl [2C]

17G0867-12[WS-AOC12W-SO-87-4]

Tetrachloro-m-xylene

17G0867-12[WS-AOC12W-SO-87-4]

Tetrachloro-m-xylene [2C]

17G0867-12[WS-AOC12W-SO-87-4]

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

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



James M. Georgantas

Project Management Supervisor

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: 17G0867

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-48-2

Sampled: 7/20/2017 10:32

Sample ID: 17G0867-01

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	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 22:45	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 22:45	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 22:45	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 22:45	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 22:45	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 22:45	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 22:45	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 22:45	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 22:45	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		102	30-150					7/31/17 22:45	
Decachlorobiphenyl [2]		112	30-150					7/31/17 22:45	
Tetrachloro-m-xylene [1]		89.6	30-150					7/31/17 22:45	
Tetrachloro-m-xylene [2]		95.3	30-150					7/31/17 22:45	

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: 17G0867

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-48-2

Sampled: 7/20/2017 10:32

Sample ID: 17G0867-01

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.8		% Wt	1		SM 2540G	7/27/17	7/28/17 10:26	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: 17G0867

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-48-3

Sampled: 7/20/2017 10:34

Sample ID: 17G0867-02

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	0.19	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 23:03	KAL
Aroclor-1221 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 23:03	KAL
Aroclor-1232 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 23:03	KAL
Aroclor-1242 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 23:03	KAL
Aroclor-1248 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 23:03	KAL
Aroclor-1254 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 23:03	KAL
Aroclor-1260 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 23:03	KAL
Aroclor-1262 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 23:03	KAL
Aroclor-1268 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 23:03	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		99.3	30-150					7/31/17 23:03	
Decachlorobiphenyl [2]		115	30-150					7/31/17 23:03	
Tetrachloro-m-xylene [1]		92.2	30-150					7/31/17 23:03	
Tetrachloro-m-xylene [2]		98.0	30-150					7/31/17 23:03	

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

Sample Description:

Work Order: 17G0867

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-48-3

Sampled: 7/20/2017 10:34

Sample ID: 17G0867-02

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	53.8		% Wt	1		SM 2540G	7/27/17	7/28/17 10:26	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: 17G0867

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-88-1

Sampled: 7/20/2017 13:25

Sample ID: 17G0867-03

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	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 23:21	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 23:21	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 23:21	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 23:21	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 23:21	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 23:21	KAL
Aroclor-1260 [2]	0.22	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 23:21	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 23:21	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 23:21	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		92.4	30-150					7/31/17 23:21	
Decachlorobiphenyl [2]		101	30-150					7/31/17 23:21	
Tetrachloro-m-xylene [1]		86.3	30-150					7/31/17 23:21	
Tetrachloro-m-xylene [2]		92.7	30-150					7/31/17 23:21	

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

Sample Description:

Work Order: 17G0867

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-88-1

Sampled: 7/20/2017 13:25

Sample ID: 17G0867-03

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	98.4		% Wt	1		SM 2540G	7/27/17	7/28/17 10:26	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: 17G0867

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-88-2A

Sampled: 7/20/2017 13:26

Sample ID: 17G0867-04

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	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 23:39	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 23:39	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 23:39	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 23:39	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 23:39	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 23:39	KAL
Aroclor-1260 [2]	0.78	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 23:39	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 23:39	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 23:39	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		94.9	30-150					7/31/17 23:39	
Decachlorobiphenyl [2]		104	30-150					7/31/17 23:39	
Tetrachloro-m-xylene [1]		84.9	30-150					7/31/17 23:39	
Tetrachloro-m-xylene [2]		91.4	30-150					7/31/17 23:39	

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

Sample Description:

Work Order: 17G0867

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-88-2A

Sampled: 7/20/2017 13:26

Sample ID: 17G0867-04

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	96.7		% Wt	1		SM 2540G	7/27/17	7/28/17 10:26	MRL

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

Sample Description:

Work Order: 17G0867

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-88-2B

Sampled: 7/20/2017 13:27

Sample ID: 17G0867-05

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	50	10	mg/Kg dry	1		CTDEP ETPH	7/27/17	8/2/17 23:54	SCS
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		103	50-150					8/2/17 23:54	

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

Sample Description:

Work Order: 17G0867

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-88-2B

Sampled: 7/20/2017 13:27

Sample ID: 17G0867-05

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	98.2		% Wt	1		SM 2540G	7/27/17	7/28/17 10:26	MRL

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

Sample Description:

Work Order: 17G0867

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-88-3

Sampled: 7/20/2017 13:28

Sample ID: 17G0867-06

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	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 23:57	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 23:57	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 23:57	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 23:57	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 23:57	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 23:57	KAL
Aroclor-1260 [2]	0.95	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 23:57	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 23:57	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	7/31/17 23:57	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		94.1	30-150					7/31/17 23:57	
Decachlorobiphenyl [2]		103	30-150					7/31/17 23:57	
Tetrachloro-m-xylene [1]		86.0	30-150					7/31/17 23:57	
Tetrachloro-m-xylene [2]		90.9	30-150					7/31/17 23:57	

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

Sample Description:

Work Order: 17G0867

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-88-3

Sampled: 7/20/2017 13:28

Sample ID: 17G0867-06

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	86.2		% Wt	1		SM 2540G	7/27/17	7/28/17 10:26	MRL

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

Sample Description:

Work Order: 17G0867

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-88-4

Sampled: 7/20/2017 13:29

Sample ID: 17G0867-07

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	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 0:15	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 0:15	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 0:15	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 0:15	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 0:15	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 0:15	KAL
Aroclor-1260 [2]	0.22	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 0:15	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 0:15	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 0:15	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		111	30-150					8/1/17 0:15	
Decachlorobiphenyl [2]		121	30-150					8/1/17 0:15	
Tetrachloro-m-xylene [1]		102	30-150					8/1/17 0:15	
Tetrachloro-m-xylene [2]		108	30-150					8/1/17 0:15	

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

Sample Description:

Work Order: 17G0867

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-88-4

Sampled: 7/20/2017 13:29

Sample ID: 17G0867-07

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.5		% Wt	1		SM 2540G	7/27/17	7/28/17 10:26	MRL

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

Sample Description:

Work Order: 17G0867

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-87-1

Sampled: 7/20/2017 13:30

Sample ID: 17G0867-08

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	5		SW-846 8082A	7/27/17	8/1/17 0:33	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 0:33	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 0:33	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 0:33	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 0:33	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 0:33	KAL
Aroclor-1260 [2]	0.70	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 0:33	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 0:33	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 0:33	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		104	30-150					8/1/17 0:33	
Decachlorobiphenyl [2]		114	30-150					8/1/17 0:33	
Tetrachloro-m-xylene [1]		91.2	30-150					8/1/17 0:33	
Tetrachloro-m-xylene [2]		97.8	30-150					8/1/17 0:33	

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

Sample Description:

Work Order: 17G0867

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-87-1

Sampled: 7/20/2017 13:30

Sample ID: 17G0867-08

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	98.3		% Wt	1		SM 2540G	7/27/17	7/28/17 10:26	MRL

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

Sample Description:

Work Order: 17G0867

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-87-2A

Sampled: 7/20/2017 13:31

Sample ID: 17G0867-09

Sample Matrix: Water

Polychlorinated 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	5		SW-846 8082A	7/27/17	8/1/17 0:51	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 0:51	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 0:51	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 0:51	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 0:51	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 0:51	KAL
Aroclor-1260 [2]	0.73	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 0:51	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 0:51	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 0:51	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		95.4	30-150					8/1/17 0:51	
Decachlorobiphenyl [2]		105	30-150					8/1/17 0:51	
Tetrachloro-m-xylene [1]		87.4	30-150					8/1/17 0:51	
Tetrachloro-m-xylene [2]		92.3	30-150					8/1/17 0:51	

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: 17G0867

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-87-2A

Sampled: 7/20/2017 13:31

Sample ID: 17G0867-09

Sample Matrix: Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.0		% Wt	1		SM 2540G	7/27/17	7/28/17 10:26	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: 17G0867

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-87-2B

Sampled: 7/20/2017 13:32

Sample ID: 17G0867-10

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	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 18:28	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 18:28	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 18:28	BGL
Benzo(a)anthracene	0.24	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 18:28	BGL
Benzo(a)pyrene	0.26	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 18:28	BGL
Benzo(b)fluoranthene	0.42	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 18:28	BGL
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 18:28	BGL
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 18:28	BGL
Chrysene	0.37	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 18:28	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 18:28	BGL
Fluoranthene	0.44	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 18:28	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 18:28	BGL
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 18:28	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 18:28	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 18:28	BGL
Phenanthrene	0.37	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 18:28	BGL
Pyrene	0.38	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 18:28	BGL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Nitrobenzene-d5		55.6	30-130					7/31/17 18:28	
2-Fluorobiphenyl		54.3	30-130					7/31/17 18:28	
p-Terphenyl-d14		52.7	30-130					7/31/17 18:28	

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

Sample Description:

Work Order: 17G0867

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-87-2B

Sampled: 7/20/2017 13:32

Sample ID: 17G0867-10

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.1		% Wt	1		SM 2540G	7/27/17	7/28/17 10:26	MRL

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

Sample Description:

Work Order: 17G0867

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-87-3

Sampled: 7/20/2017 13:33

Sample ID: 17G0867-11

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	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 1:58	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 1:58	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 1:58	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 1:58	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 1:58	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 1:58	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 1:58	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 1:58	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 1:58	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		99.9	30-150					8/1/17 1:58	
Decachlorobiphenyl [2]		122	30-150					8/1/17 1:58	
Tetrachloro-m-xylene [1]		87.6	30-150					8/1/17 1:58	
Tetrachloro-m-xylene [2]		92.5	30-150					8/1/17 1:58	

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: 17G0867

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-87-3

Sampled: 7/20/2017 13:33

Sample ID: 17G0867-11

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.4		% Wt	1		SM 2540G	7/27/17	7/28/17 10:26	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: 17G0867

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-87-4

Sampled: 7/20/2017 13:34

Sample ID: 17G0867-12

Sample Matrix: Water

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.2	mg/Kg dry	50		SW-846 8082A	7/27/17	8/1/17 8:06	KAL
Aroclor-1221 [1]	ND	1.2	mg/Kg dry	50		SW-846 8082A	7/27/17	8/1/17 8:06	KAL
Aroclor-1232 [1]	ND	1.2	mg/Kg dry	50		SW-846 8082A	7/27/17	8/1/17 8:06	KAL
Aroclor-1242 [1]	ND	1.2	mg/Kg dry	50		SW-846 8082A	7/27/17	8/1/17 8:06	KAL
Aroclor-1248 [1]	ND	1.2	mg/Kg dry	50		SW-846 8082A	7/27/17	8/1/17 8:06	KAL
Aroclor-1254 [1]	ND	1.2	mg/Kg dry	50		SW-846 8082A	7/27/17	8/1/17 8:06	KAL
Aroclor-1260 [2]	5.7	1.2	mg/Kg dry	50		SW-846 8082A	7/27/17	8/1/17 8:06	KAL
Aroclor-1262 [1]	ND	1.2	mg/Kg dry	50		SW-846 8082A	7/27/17	8/1/17 8:06	KAL
Aroclor-1268 [1]	ND	1.2	mg/Kg dry	50		SW-846 8082A	7/27/17	8/1/17 8:06	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			8/1/17 8:06	
Decachlorobiphenyl [2]		*	30-150		S-01			8/1/17 8:06	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/1/17 8:06	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/1/17 8:06	

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

Sample Description:

Work Order: 17G0867

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-87-4

Sampled: 7/20/2017 13:34

Sample ID: 17G0867-12

Sample Matrix: Water

Conventional 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	7/27/17	7/28/17 10:26	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: 17G0867

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-97-1

Sampled: 7/20/2017 13:57

Sample ID: 17G0867-13

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	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 2:35	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 2:35	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 2:35	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 2:35	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 2:35	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 2:35	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 2:35	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 2:35	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 2:35	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		102	30-150					8/1/17 2:35	
Decachlorobiphenyl [2]		112	30-150					8/1/17 2:35	
Tetrachloro-m-xylene [1]		99.0	30-150					8/1/17 2:35	
Tetrachloro-m-xylene [2]		104	30-150					8/1/17 2:35	

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: 17G0867

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-97-1

Sampled: 7/20/2017 13:57

Sample ID: 17G0867-13

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	99.5		% Wt	1		SM 2540G	7/27/17	7/28/17 10:26	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: 17G0867

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-97-2A

Sampled: 7/20/2017 13:59

Sample ID: 17G0867-14

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	5		SW-846 8082A	7/27/17	8/1/17 2:53	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 2:53	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 2:53	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 2:53	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 2:53	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 2:53	KAL
Aroclor-1260 [2]	0.12	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 2:53	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 2:53	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 2:53	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		105	30-150					8/1/17 2:53	
Decachlorobiphenyl [2]		114	30-150					8/1/17 2:53	
Tetrachloro-m-xylene [1]		95.3	30-150					8/1/17 2:53	
Tetrachloro-m-xylene [2]		100	30-150					8/1/17 2:53	

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

Sample Description:

Work Order: 17G0867

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-97-2A

Sampled: 7/20/2017 13:59

Sample ID: 17G0867-14

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	95.6		% Wt	1		SM 2540G	7/27/17	7/28/17 10:26	MRL

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

Sample Description:

Work Order: 17G0867

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-97-2B

Sampled: 7/20/2017 14:01

Sample ID: 17G0867-15

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	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 18:55	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 18:55	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 18:55	BGL
Benzo(a)anthracene	1.3	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 18:55	BGL
Benzo(a)pyrene	1.5	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 18:55	BGL
Benzo(b)fluoranthene	2.1	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 18:55	BGL
Benzo(g,h,i)perylene	0.87	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 18:55	BGL
Benzo(k)fluoranthene	0.76	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 18:55	BGL
Chrysene	1.2	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 18:55	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 18:55	BGL
Fluoranthene	3.0	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 18:55	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 18:55	BGL
Indeno(1,2,3-cd)pyrene	0.89	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 18:55	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 18:55	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 18:55	BGL
Phenanthrene	0.49	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 18:55	BGL
Pyrene	2.3	0.19	mg/Kg dry	1		SW-846 8270D	7/27/17	7/31/17 18:55	BGL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Nitrobenzene-d5		53.8	30-130					7/31/17 18:55	
2-Fluorobiphenyl		56.4	30-130					7/31/17 18:55	
p-Terphenyl-d14		56.3	30-130					7/31/17 18:55	

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

Sample Description:

Work Order: 17G0867

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-97-2B

Sampled: 7/20/2017 14:01

Sample ID: 17G0867-15

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.8		% Wt	1		SM 2540G	7/27/17	7/28/17 10:26	MRL

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

Sample Description:

Work Order: 17G0867

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-97-3

Sampled: 7/20/2017 14:03

Sample ID: 17G0867-16

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	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 3:11	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 3:11	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 3:11	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 3:11	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 3:11	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 3:11	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 3:11	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 3:11	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 3:11	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		105	30-150					8/1/17 3:11	
Decachlorobiphenyl [2]		116	30-150					8/1/17 3:11	
Tetrachloro-m-xylene [1]		95.1	30-150					8/1/17 3:11	
Tetrachloro-m-xylene [2]		101	30-150					8/1/17 3:11	

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

Sample Description:

Work Order: 17G0867

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-97-3

Sampled: 7/20/2017 14:03

Sample ID: 17G0867-16

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.6		% Wt	1		SM 2540G	7/27/17	7/28/17 10:26	MRL

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

Sample Description:

Work Order: 17G0867

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-97-4

Sampled: 7/20/2017 14:05

Sample ID: 17G0867-17

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	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 3:29	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 3:29	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 3:29	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 3:29	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 3:29	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 3:29	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 3:29	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 3:29	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 3:29	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		108	30-150					8/1/17 3:29	
Decachlorobiphenyl [2]		119	30-150					8/1/17 3:29	
Tetrachloro-m-xylene [1]		98.4	30-150					8/1/17 3:29	
Tetrachloro-m-xylene [2]		103	30-150					8/1/17 3:29	

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

Sample Description:

Work Order: 17G0867

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-97-4

Sampled: 7/20/2017 14:05

Sample ID: 17G0867-17

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	83.5		% Wt	1		SM 2540G	7/27/17	7/28/17 10:26	MRL

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

Sample Description:

Work Order: 17G0867

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-89-1

Sampled: 7/20/2017 13:50

Sample ID: 17G0867-18

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	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 3:48	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 3:48	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 3:48	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 3:48	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 3:48	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 3:48	KAL
Aroclor-1260 [2]	0.40	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 3:48	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 3:48	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 3:48	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		94.8	30-150					8/1/17 3:48	
Decachlorobiphenyl [2]		103	30-150					8/1/17 3:48	
Tetrachloro-m-xylene [1]		86.3	30-150					8/1/17 3:48	
Tetrachloro-m-xylene [2]		90.9	30-150					8/1/17 3:48	

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

Sample Description:

Work Order: 17G0867

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-89-1

Sampled: 7/20/2017 13:50

Sample ID: 17G0867-18

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	97.7		% Wt	1		SM 2540G	7/27/17	7/28/17 10:26	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: 17G0867

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-89-2

Sampled: 7/20/2017 13:51

Sample ID: 17G0867-19

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	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 4:06	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 4:06	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 4:06	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 4:06	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 4:06	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 4:06	KAL
Aroclor-1260 [2]	0.70	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 4:06	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 4:06	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 4:06	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		106	30-150					8/1/17 4:06	
Decachlorobiphenyl [2]		115	30-150					8/1/17 4:06	
Tetrachloro-m-xylene [1]		93.4	30-150					8/1/17 4:06	
Tetrachloro-m-xylene [2]		99.5	30-150					8/1/17 4:06	

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: 17G0867

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-89-2

Sampled: 7/20/2017 13:51

Sample ID: 17G0867-19

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	90.7		% Wt	1		SM 2540G	7/27/17	7/28/17 10:26	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: 17G0867

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-89-3

Sampled: 7/20/2017 13:52

Sample ID: 17G0867-20

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	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 4:23	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 4:23	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 4:23	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 4:23	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 4:23	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 4:23	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 4:23	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 4:23	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	7/27/17	8/1/17 4:23	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		113	30-150					8/1/17 4:23	
Decachlorobiphenyl [2]		129	30-150					8/1/17 4:23	
Tetrachloro-m-xylene [1]		108	30-150					8/1/17 4:23	
Tetrachloro-m-xylene [2]		113	30-150					8/1/17 4:23	

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

Sample Description:

Work Order: 17G0867

Date Received: 7/20/2017

Field Sample #: WS-AOC12W-SO-89-3

Sampled: 7/20/2017 13:52

Sample ID: 17G0867-20

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	84.1		% Wt	1		SM 2540G	7/27/17	7/28/17 10:26	MRL

Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0867-05 [WS-AOC12W-SO-88-2B]	B182711	30.0	1.00	07/27/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17G0867-01 [WS-AOC12W-SO-48-2]	B182677	07/27/17
17G0867-02 [WS-AOC12W-SO-48-3]	B182677	07/27/17
17G0867-03 [WS-AOC12W-SO-88-1]	B182677	07/27/17
17G0867-04 [WS-AOC12W-SO-88-2A]	B182677	07/27/17
17G0867-05 [WS-AOC12W-SO-88-2B]	B182677	07/27/17
17G0867-06 [WS-AOC12W-SO-88-3]	B182677	07/27/17
17G0867-07 [WS-AOC12W-SO-88-4]	B182677	07/27/17
17G0867-08 [WS-AOC12W-SO-87-1]	B182677	07/27/17
17G0867-09 [WS-AOC12W-SO-87-2A]	B182677	07/27/17
17G0867-10 [WS-AOC12W-SO-87-2B]	B182677	07/27/17
17G0867-11 [WS-AOC12W-SO-87-3]	B182677	07/27/17
17G0867-12 [WS-AOC12W-SO-87-4]	B182677	07/27/17
17G0867-13 [WS-AOC12W-SO-97-1]	B182677	07/27/17
17G0867-14 [WS-AOC12W-SO-97-2A]	B182677	07/27/17
17G0867-15 [WS-AOC12W-SO-97-2B]	B182677	07/27/17
17G0867-16 [WS-AOC12W-SO-97-3]	B182677	07/27/17
17G0867-17 [WS-AOC12W-SO-97-4]	B182677	07/27/17
17G0867-18 [WS-AOC12W-SO-89-1]	B182677	07/27/17
17G0867-19 [WS-AOC12W-SO-89-2]	B182677	07/27/17
17G0867-20 [WS-AOC12W-SO-89-3]	B182677	07/27/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0867-01 [WS-AOC12W-SO-48-2]	B182736	10.0	10.0	07/27/17
17G0867-02 [WS-AOC12W-SO-48-3]	B182736	10.0	10.0	07/27/17
17G0867-03 [WS-AOC12W-SO-88-1]	B182736	10.0	10.0	07/27/17
17G0867-04 [WS-AOC12W-SO-88-2A]	B182736	10.0	10.0	07/27/17
17G0867-06 [WS-AOC12W-SO-88-3]	B182736	10.0	10.0	07/27/17
17G0867-07 [WS-AOC12W-SO-88-4]	B182736	10.0	10.0	07/27/17
17G0867-08 [WS-AOC12W-SO-87-1]	B182736	10.0	10.0	07/27/17
17G0867-09 [WS-AOC12W-SO-87-2A]	B182736	10.0	10.0	07/27/17
17G0867-11 [WS-AOC12W-SO-87-3]	B182736	10.0	10.0	07/27/17
17G0867-12 [WS-AOC12W-SO-87-4]	B182736	10.0	10.0	07/27/17
17G0867-13 [WS-AOC12W-SO-97-1]	B182736	10.0	10.0	07/27/17
17G0867-14 [WS-AOC12W-SO-97-2A]	B182736	10.0	10.0	07/27/17
17G0867-16 [WS-AOC12W-SO-97-3]	B182736	10.0	10.0	07/27/17
17G0867-17 [WS-AOC12W-SO-97-4]	B182736	10.0	10.0	07/27/17
17G0867-18 [WS-AOC12W-SO-89-1]	B182736	10.0	10.0	07/27/17
17G0867-19 [WS-AOC12W-SO-89-2]	B182736	10.0	10.0	07/27/17
17G0867-20 [WS-AOC12W-SO-89-3]	B182736	10.0	10.0	07/27/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G0867-10 [WS-AOC12W-SO-87-2B]	B182710	30.0	1.00	07/27/17

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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
17G0867-15 [WS-AOC12W-SO-97-2B]	B182710	30.0	1.00	07/27/17

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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 B182710 - SW-846 3546

Blank (B182710-BLK1)

Prepared: 07/27/17 Analyzed: 07/31/17

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	2.49		mg/Kg wet	3.33		74.7	30-130			
Surrogate: 2-Fluorobiphenyl	2.57		mg/Kg wet	3.33		77.0	30-130			
Surrogate: p-Terphenyl-d14	2.81		mg/Kg wet	3.33		84.2	30-130			

LCS (B182710-BS1)

Prepared: 07/27/17 Analyzed: 07/31/17

Acenaphthene	1.03	0.17	mg/Kg wet	1.67		61.8	40-140			
Acenaphthylene	0.983	0.17	mg/Kg wet	1.67		59.0	40-140			
Anthracene	1.05	0.17	mg/Kg wet	1.67		62.9	40-140			
Benzo(a)anthracene	0.959	0.17	mg/Kg wet	1.67		57.5	40-140			
Benzo(a)pyrene	1.12	0.17	mg/Kg wet	1.67		67.3	40-140			
Benzo(b)fluoranthene	0.963	0.17	mg/Kg wet	1.67		57.8	40-140			
Benzo(g,h,i)perylene	1.08	0.17	mg/Kg wet	1.67		64.9	40-140			
Benzo(k)fluoranthene	1.07	0.17	mg/Kg wet	1.67		64.0	40-140			
Chrysene	0.920	0.17	mg/Kg wet	1.67		55.2	40-140			
Dibenz(a,h)anthracene	1.06	0.17	mg/Kg wet	1.67		63.5	40-140			
Fluoranthene	1.03	0.17	mg/Kg wet	1.67		61.5	40-140			
Fluorene	1.02	0.17	mg/Kg wet	1.67		61.0	40-140			
Indeno(1,2,3-cd)pyrene	1.06	0.17	mg/Kg wet	1.67		63.7	40-140			
2-Methylnaphthalene	1.01	0.17	mg/Kg wet	1.67		60.4	40-140			
Naphthalene	0.941	0.17	mg/Kg wet	1.67		56.5	40-140			
Phenanthrene	1.03	0.17	mg/Kg wet	1.67		62.0	40-140			
Pyrene	1.01	0.17	mg/Kg wet	1.67		60.4	40-140			
Surrogate: Nitrobenzene-d5	2.14		mg/Kg wet	3.33		64.1	30-130			
Surrogate: 2-Fluorobiphenyl	2.17		mg/Kg wet	3.33		65.2	30-130			
Surrogate: p-Terphenyl-d14	2.12		mg/Kg wet	3.33		63.6	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
Batch B182710 - SW-846 3546										
LCS Dup (B182710-BSD1)										
					Prepared: 07/27/17 Analyzed: 07/31/17					
Acenaphthene	1.06	0.17	mg/Kg wet	1.67		63.3	40-140	2.36	30	
Acenaphthylene	1.04	0.17	mg/Kg wet	1.67		62.5	40-140	5.70	30	
Anthracene	1.08	0.17	mg/Kg wet	1.67		64.9	40-140	3.22	30	
Benzo(a)anthracene	1.02	0.17	mg/Kg wet	1.67		61.2	40-140	6.17	30	
Benzo(a)pyrene	1.19	0.17	mg/Kg wet	1.67		71.2	40-140	5.63	30	
Benzo(b)fluoranthene	1.06	0.17	mg/Kg wet	1.67		63.3	40-140	9.15	30	
Benzo(g,h,i)perylene	1.16	0.17	mg/Kg wet	1.67		69.5	40-140	6.78	30	
Benzo(k)fluoranthene	1.17	0.17	mg/Kg wet	1.67		69.9	40-140	8.78	30	
Chrysene	0.990	0.17	mg/Kg wet	1.67		59.4	40-140	7.30	30	
Dibenz(a,h)anthracene	1.13	0.17	mg/Kg wet	1.67		67.9	40-140	6.70	30	
Fluoranthene	1.08	0.17	mg/Kg wet	1.67		64.6	40-140	4.88	30	
Fluorene	1.08	0.17	mg/Kg wet	1.67		64.9	40-140	6.16	30	
Indeno(1,2,3-cd)pyrene	1.19	0.17	mg/Kg wet	1.67		71.2	40-140	11.1	30	
2-Methylnaphthalene	1.14	0.17	mg/Kg wet	1.67		68.7	40-140	12.8	30	
Naphthalene	1.05	0.17	mg/Kg wet	1.67		62.8	40-140	10.5	30	
Phenanthrene	1.10	0.17	mg/Kg wet	1.67		66.3	40-140	6.70	30	
Pyrene	1.10	0.17	mg/Kg wet	1.67		66.1	40-140	9.04	30	
Surrogate: Nitrobenzene-d5	2.44		mg/Kg wet	3.33		73.3	30-130			
Surrogate: 2-Fluorobiphenyl	2.29		mg/Kg wet	3.33		68.6	30-130			
Surrogate: p-Terphenyl-d14	2.32		mg/Kg wet	3.33		69.6	30-130			

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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 B182736 - SW-846 3540C										
Blank (B182736-BLK1)										
Prepared: 07/27/17 Analyzed: 07/31/17										
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	0.206		mg/Kg wet	0.200		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.217		mg/Kg wet	0.200		108	30-150			
Surrogate: Tetrachloro-m-xylene	0.194		mg/Kg wet	0.200		97.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.196		mg/Kg wet	0.200		98.2	30-150			
LCS (B182736-BS1)										
Prepared: 07/27/17 Analyzed: 07/31/17										
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		84.4	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		93.2	40-140			
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		76.6	40-140			
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		84.7	40-140			
Surrogate: Decachlorobiphenyl	0.196		mg/Kg wet	0.200		98.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.206		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene	0.186		mg/Kg wet	0.200		93.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.186		mg/Kg wet	0.200		93.0	30-150			
LCS Dup (B182736-BSD1)										
Prepared: 07/27/17 Analyzed: 07/31/17										
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		82.1	40-140	2.76	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		90.1	40-140	3.42	30	
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		73.7	40-140	3.89	30	
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		81.2	40-140	4.13	30	
Surrogate: Decachlorobiphenyl	0.189		mg/Kg wet	0.200		94.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.198		mg/Kg wet	0.200		99.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.179		mg/Kg wet	0.200		89.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.181		mg/Kg wet	0.200		90.5	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B182736 - SW-846 3540C

Matrix Spike (B182736-MS1)

Source: 17G0867-01

Prepared: 07/27/17 Analyzed: 08/01/17

Aroclor-1016	0.22	0.11	mg/Kg dry	0.220	ND	101	40-140			
Aroclor-1016 [2C]	0.24	0.11	mg/Kg dry	0.220	ND	109	40-140			
Aroclor-1260	0.19	0.11	mg/Kg dry	0.220	ND	86.1	40-140			
Aroclor-1260 [2C]	0.22	0.11	mg/Kg dry	0.220	ND	101	40-140			
Surrogate: Decachlorobiphenyl	0.223		mg/Kg dry	0.220		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.242		mg/Kg dry	0.220		110	30-150			
Surrogate: Tetrachloro-m-xylene	0.204		mg/Kg dry	0.220		92.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.216		mg/Kg dry	0.220		98.1	30-150			

Matrix Spike Dup (B182736-MSD1)

Source: 17G0867-01

Prepared: 07/27/17 Analyzed: 08/01/17

Aroclor-1016	0.22	0.11	mg/Kg dry	0.220	ND	98.2	40-140	2.54	50	
Aroclor-1016 [2C]	0.25	0.11	mg/Kg dry	0.220	ND	112	40-140	2.18	50	
Aroclor-1260	0.19	0.11	mg/Kg dry	0.220	ND	87.7	40-140	1.84	50	
Aroclor-1260 [2C]	0.22	0.11	mg/Kg dry	0.220	ND	102	40-140	1.51	50	
Surrogate: Decachlorobiphenyl	0.226		mg/Kg dry	0.220		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.244		mg/Kg dry	0.220		111	30-150			
Surrogate: Tetrachloro-m-xylene	0.199		mg/Kg dry	0.220		90.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.214		mg/Kg dry	0.220		97.2	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 B182711 - SW-846 3546										
Blank (B182711-BLK1)										
					Prepared: 07/27/17 Analyzed: 08/01/17					
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	3.13		mg/Kg wet	3.33		93.9	50-150			
LCS (B182711-BS1)										
					Prepared: 07/27/17 Analyzed: 08/01/17					
CT ETPH	29.4	10	mg/Kg wet	33.3		88.2	60-120			
Surrogate: o-Terphenyl	2.65		mg/Kg wet	3.33		79.5	50-150			
LCS Dup (B182711-BSD1)										
					Prepared: 07/27/17 Analyzed: 08/01/17					
CT ETPH	28.3	10	mg/Kg wet	33.3		85.0	60-120	3.69	30	
Surrogate: o-Terphenyl	2.56		mg/Kg wet	3.33		76.9	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
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Batch B182677 - % Solids

Duplicate (B182677-DUP5)

Source: 17G0867-10

Prepared: 07/27/17 Analyzed: 07/28/17

% Solids	90.1		% Wt		90.1			0.00	20	
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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

WS-AOC12W-SO-88-1

SW-846 8082A

Lab Sample ID: 17G0867-03 Date(s) Analyzed 07/31/2017 07/31/2017

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-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.22	20.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

WS-AOC12W-SO-88-2A

SW-846 8082A

Lab Sample ID: 17G0867-04 Date(s) Analyzed 07/31/2017 07/31/2017

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-1260	1	0.000	-0.030	0.030	0.71	
	2	0.000	-0.030	0.030	0.78	9.4

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

WS-AOC12W-SO-88-3

SW-846 8082A

Lab Sample ID: 17G0867-06 Date(s) Analyzed 07/31/2017 07/31/2017

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-1260	1	0.000	-0.030	0.030	0.86	
	2	0.000	-0.030	0.030	0.95	9.9

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

WS-AOC12W-SO-88-4

SW-846 8082A

Lab Sample ID: 17G0867-07 Date(s) Analyzed 08/01/2017 08/01/2017

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-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.22	14.6

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

WS-AOC12W-SO-87-1

SW-846 8082A

Lab Sample ID: 17G0867-08 Date(s) Analyzed 08/01/2017 08/01/2017

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-1260	1	0.000	-0.030	0.030	0.62	
	2	0.000	-0.030	0.030	0.70	12.1

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

WS-AOC12W-SO-87-2A

SW-846 8082A

Lab Sample ID: 17G0867-09 Date(s) Analyzed 08/01/2017 08/01/2017

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-1260	1	0.000	-0.030	0.030	0.63	
	2	0.000	-0.030	0.030	0.73	13.1

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

WS-AOC12W-SO-87-4

SW-846 8082A

Lab Sample ID: 17G0867-12 Date(s) Analyzed 08/01/2017 08/01/2017

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-1260	1	0.000	-0.030	0.030	5.0	
	2	0.000	-0.030	0.030	5.7	13.1

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

WS-AOC12W-SO-89-1

SW-846 8082A

Lab Sample ID: 17G0867-18 Date(s) Analyzed 08/01/2017 08/01/2017

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-1260	1	0.000	-0.030	0.030	0.35	
	2	0.000	-0.030	0.030	0.40	13.3

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

WS-AOC12W-SO-89-2

SW-846 8082A

Lab Sample ID: 17G0867-19 Date(s) Analyzed 08/01/2017 08/01/2017

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-1260	1	0.000	-0.030	0.030	0.61	
	2	0.000	-0.030	0.030	0.70	13.7

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

LCS

Lab Sample ID: B182736-BS1 Date(s) Analyzed 07/31/2017 07/31/2017

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	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.19	11.1
Aroclor-1260	1	0.000	-0.030	0.030	0.15	
	2	0.000	-0.030	0.030	0.17	12.5

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

Matrix Spike

Lab Sample ID: B182736-MS1 Date(s) Analyzed 08/01/2017 08/01/2017

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	-0.030	0.030	0.22	
	2	0.000	-0.030	0.030	0.24	8.7
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.22	14.6

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

Matrix Spike Dup

SW-846 8082A

Lab Sample ID: B182736-MSD1 Date(s) Analyzed 08/01/2017 08/01/2017

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	-0.030	0.030	0.22	
	2	0.000	-0.030	0.030	0.25	12.8
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.22	14.6

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
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.
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.